

Canon

**imageRUNNER
5075 / 5065 / 5055 / 5050**

PS/PCL/UFR II Printer Guide



Please read this guide before operating this product.

After you finish reading this guide, store it in a safe place for future reference.

ENG

**imageRUNNER
5075/5065/5055/5050
PS/PCL/UFR II
Printer Guide**



Manuals for the Machine

The manuals for this machine are divided as follows. Please refer to them for detailed information. The manuals supplied with optional equipment are included in the list below. Depending on the system configuration and product purchased, some manuals may not be needed.



Guides with this symbol are printed manuals.



Guides with this symbol are included on the accompanying CD-ROM. (See footnote on the next page.)

- **Quick Reference for Basic Operations**

Easy Operation Guide



- **Learn How to Use Your Machine**

The Tutorial CD is a teaching aid, designed to help you learn the various functions of the machine.

Tutorial CD



- **Precautions for Using Your Machine**

- **Troubleshooting**
- **Specifications**

Support Guide



- **Basic Operations**

Reference Guide



- **Copying and Mail Box Instructions**

Copying and Mail Box Guide



- **Sending and Fax Instructions**

Sending and Facsimile Guide



- **Setting Up the Network Connection and Installing the CD-ROM Software**

Network Quick Start Guide



- **Remote User Interface Instructions**

Remote UI Guide



- **Network Connectivity and Setup Instructions**

Network Guide



- **Network ScanGear Installation and Instructions**

Network ScanGear User's Guide



- **PS/PCL/UFR II Printer and Direct Printing Instructions**

**PS/PCL/UFR II Printer Guide
(This Document)**



- PCL Printer Driver Installation and Instructions
- PS Printer Driver Installation and Instructions
- UFR II Printer Driver Installation and Instructions
- Mac OS X PS Printer Driver Installation and Instructions
- Mac OS X UFR II Printer Driver Installation and Instructions
- Fax Driver Installation and Instructions
- Installing MEAP Applications and Using the Login Service

PCL Driver Guide



PS Driver Guide



UFR II Driver Guide



Mac PS Driver Guide



Mac UFR II Driver Guide



Fax Driver Guide



MEAP SMS Administrator Guide



-
- To view the manual in PDF format, Adobe Reader/Acrobat Reader/Acrobat is required. If Adobe Reader/Acrobat Reader/Acrobat is not installed on your system, please download it from the Adobe Systems Incorporated website (<http://www.adobe.com>).
 - The machine illustration on the cover may differ slightly from your machine.



How This Manual Is Organized

Chapter 1 Before You Start Using This Machine

Chapter 2 Handling Different Print Jobs

Chapter 3 Printer Settings Menu

Chapter 4 Report Settings Menu

Chapter 5 How to Use the Direct Print Function

Chapter 6 Troubleshooting

Chapter 7 Appendix

Includes the available font lists, configuration page sample, specifications, and index.

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Preface

Thank you for purchasing this Canon product. Please read this manual thoroughly before operating the machine in order to familiarize yourself with its capabilities, and to make the most of its many functions. After reading this manual, store it in a safe place for future reference.

How to Use This Manual

Symbols Used in This Manual

The following symbols are used in this manual to explain procedures, restrictions, handling precautions, and instructions that should be observed for safety.

-  **IMPORTANT** Indicates operational requirements and restrictions. Be sure to read these items carefully to operate the machine correctly, and avoid damage to the machine.
-  **NOTE** Indicates a clarification of an operation, or contains additional explanations for a procedure. Reading these notes is highly recommended.

Keys and Buttons Used in This Manual

The following symbols, key, and button names are a few examples of how keys and buttons to be pressed or clicked are expressed in this manual:

- Touch Panel Display Keys: [Key Name]
Examples: [Cancel]
[Done]
- Control Panel Keys: Key icon (Key Name)
Examples:  (Start)
 (Stop)

- Buttons on Computer Operation Screens:[Button Name]

Examples:

[OK]

[Start Print] menu

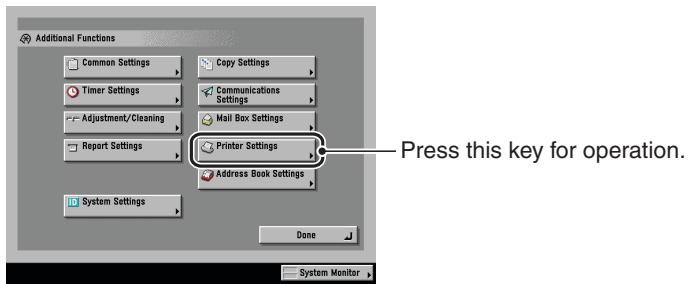
Displays Used in This Manual

Screen shots of the computer displays and the touch panel display used in this manual may differ from the ones you actually see, depending on the options that come with your machine. Note that functions that cannot be used depending on the model or options, are not displayed on the touch panel display.

The keys or buttons which you should press or click are marked with a  , as shown below.

When multiple keys or buttons can be pressed on the touch panel display, all keys are marked. Select the keys or buttons which suit your needs.

2 Press [Printer Settings].



Illustrations Used in This Manual

Illustrations of the machine used in this manual may not represent the exact appearance and configuration of the actual machine.

Abbreviations Used in This Manual

In this manual, product names and model names are abbreviated as follows:

Microsoft Windows operating system is referred to as Windows.

PostScript 3 emulation is referred to as PS.

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1

CHAPTER

Before You Start Using This Machine

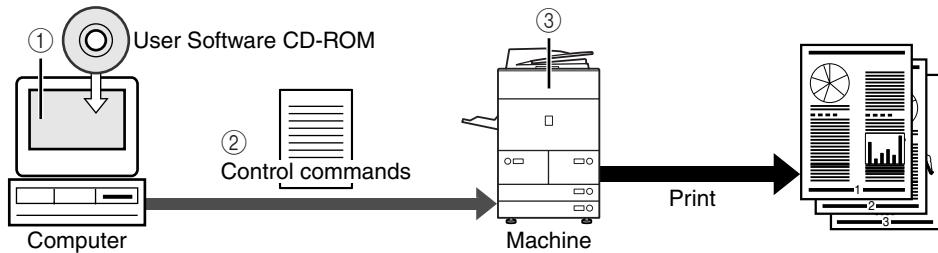
This chapter describes printing concepts and how to set up the printing environment from the touch panel display.

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Printing Flow With This Machine

1 Printing With a Printer Driver

Normally, the series of operations involved in printing data from a computer is specified by control commands generated using a printer driver. Control commands are a command system for controlling a printer. For example, when printing using a printer driver, control commands print data according to the following flow.



- ① Using a printer driver, data to be printed is converted to control commands.
- ② Control command data is sent to the machine.
- ③ Following the received control commands, the machine processes and prints the data.



NOTE

There are some print settings that cannot be specified from the printer driver. These settings are referred to as "Menu Functions" on the touch panel display. For menu configuration and how to set up the printer environment from the touch panel display, see "Menus for Printer Settings," on p. 1-8 and "Accessing the Printer Settings Menu," on p. 1-9.

This machine supports the following three kinds of control commands:

■ UFR II Mode

UFR (Ultra Fast Rendering) is printing technology developed by Canon. High-speed printing is made possible by sharing the processing of print data normally done by the machine with the computer.

■ PCL Mode

PCL (Print Control Language), developed by Hewlett-Packard, is a command system for controlling page printers. Command versions supported by this machine are PCL5e and PCL6.

■ PostScript Emulation Mode

PS (PostScript), developed by Adobe, is a command system for controlling page printers. This mode emulates the operation of a printer in conformance with PostScript. The command version supported by this machine is PostScript emulation 3.



IMPORTANT

- To print in the above printer modes, a Printer Driver supported by this machine must be installed.
- In the above printer modes, "Settings Menu" and either "UFR II Settings," "PCL Settings," or "PS Settings" are available from the touch panel display. For settings with these menus, see Chapter 3, "Printer Settings Menu."

Printing With Direct Print

Printing with Direct Print can also be done with this machine. Direct Print is a print function that enables you to send PS/EPS, TIFF/JPEG, and PDF format files without using a printer driver from the computer to the machine, which recognizes the file. Therefore, you can print without the need to open files.

You can specify PS/EPS, TIFF/JPEG, and PDF files to be printed from a Remote UI. You can print a PDF file by specifying the location on your computer or URL from the Remote UI.

You can also use the Direct Print function by entering a command (LPR command) in the command prompt.



IMPORTANT

- For information on how to operate Direct Print from a Remote UI, see Chapter 5, "How to Use the Direct Print Function."
- There are some print settings that cannot be specified from a Remote UI. These settings are referred to as "Menu Functions" on the touch panel display. For menu configuration and how to set up the printer environment from the touch panel display, see "Menus for Printer Settings," on p. 1-8 and "Accessing the Printer Settings Menu," on p. 1-9.
- With Direct Print, "Settings Menu," "PS Settings," "Imaging Settings," and "PDF1.5 Settings" are available from the touch panel display. For settings with these menus, see Chapter 3, "Printer Settings Menu."



Personality

The machine can distinguish between computer-sent control commands and Direct Print data and automatically switch personalities. However, in instances such as where received control commands are exclusively defined or the machine does not automatically switch to the appropriate personality, please set the Personality to match received data. The machine enables you to switch the personality and set specifications for printing using the menu functions on the touch panel display. (See "Personality," on p. 3-42.)

Menu Functions

This section describes the menu functions and how to access them with the touch panel display.

What Are Menu Functions?

Specifying the Menu Settings

The machine lets you specify settings, such as the number of copies and the paper size, to use when it receives a print job. These types of settings can be specified by the application sending the print job, or by the printer driver.

You can specify many settings which affect the printer function of the machine. These include some settings that cannot be specified remotely from an application or from the printer driver. These settings are referred to as "Menu Functions."

The menu functions are grouped together according to the type of settings, which makes them easy to set.

There are two ways you can specify the menu functions.

- Specifying the settings on the touch panel display:

Display the Printer Settings screen on the touch panel display and specify the settings by pressing the keys on it.

- Specifying the settings on the Remote UI:

You can specify some settings from your computer using your web browser.

 **NOTE**

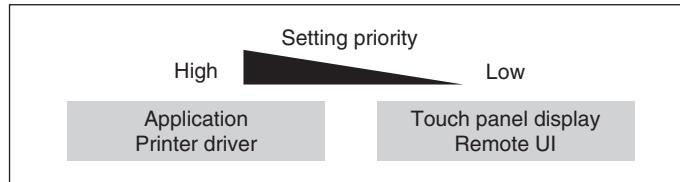
- This guide only explains how to specify the menu settings on the touch panel display. For instructions on specifying the menu settings on the Remote UI, please refer to the *Remote UI Guide*.

- The contents of the Printer Settings are stored in the nonvolatile memory of the machine. This means that the settings are stored even if the power to the machine is switched OFF, and therefore the settings will still be available when the power is switched ON again.

Settings Priorities

When the same menu function setting can be specified by using the keys on the machine or by specifying the setting in an application or the printer driver, the setting from the application or printer driver has priority. These settings will override the settings made on the machine.

For settings available only on the touch panel display or Remote UI, the most recently specified settings take priority.

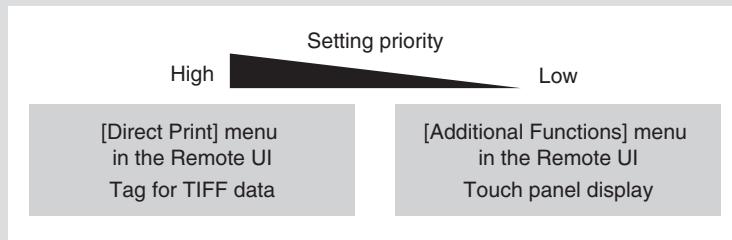


The printer driver is included on the CD-ROM provided with the machine. For instructions on installing the printer driver, see Chapter 2, "Installing Software," in the *Network Quick Start Guide*.

● Settings priorities for Direct Printing

For settings available only on the touch panel display or from the 'Additional Functions' menu in the Remote UI, the most recently specified settings take priority.

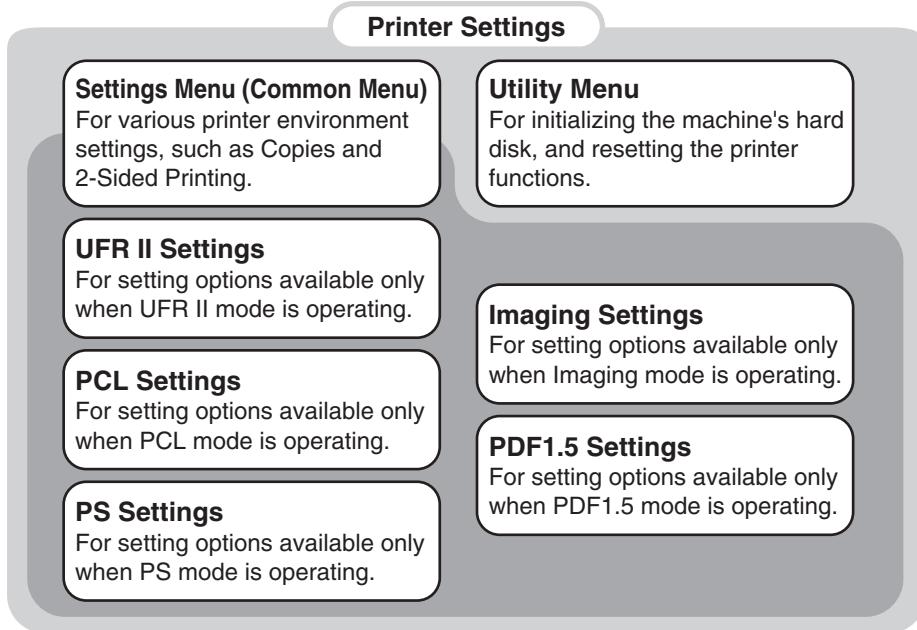
Settings specified with either tags in the IFD (Image File Directory) held in the header of TIFF data of an image file or with the 'Direct Print' menu in the Remote UI take priority over settings specified with the touch panel or Remote UI.



Some functions specified with tags held in the header of TIFF data may not take priority.

Menus for Printer Settings

Printer Settings are configured with the menus below.



■ Printer Settings

Enables you to specify or change settings for printing from the machine.

The following menus are included within the Printer Settings menu.

- **Settings Menu**
Enables you to specify or change settings common to all printer functions.
- **UFR II/PCL/PS Settings Menus**
Enables you to specify or change settings for the operating mode when a UFR II/PCL/PS control command is received.
- **Imaging/PDF1.5 Settings Menus**
Enables you to specify or change settings for the operating mode when Direct Print data is received.

■ Utility Menu

- To initialize PCL or PS hard disk partition using "Initialize PCL Hard Disk" or "Initialize PS Hard Disk."
- To reset the printer's print functions using "Reset Printer."

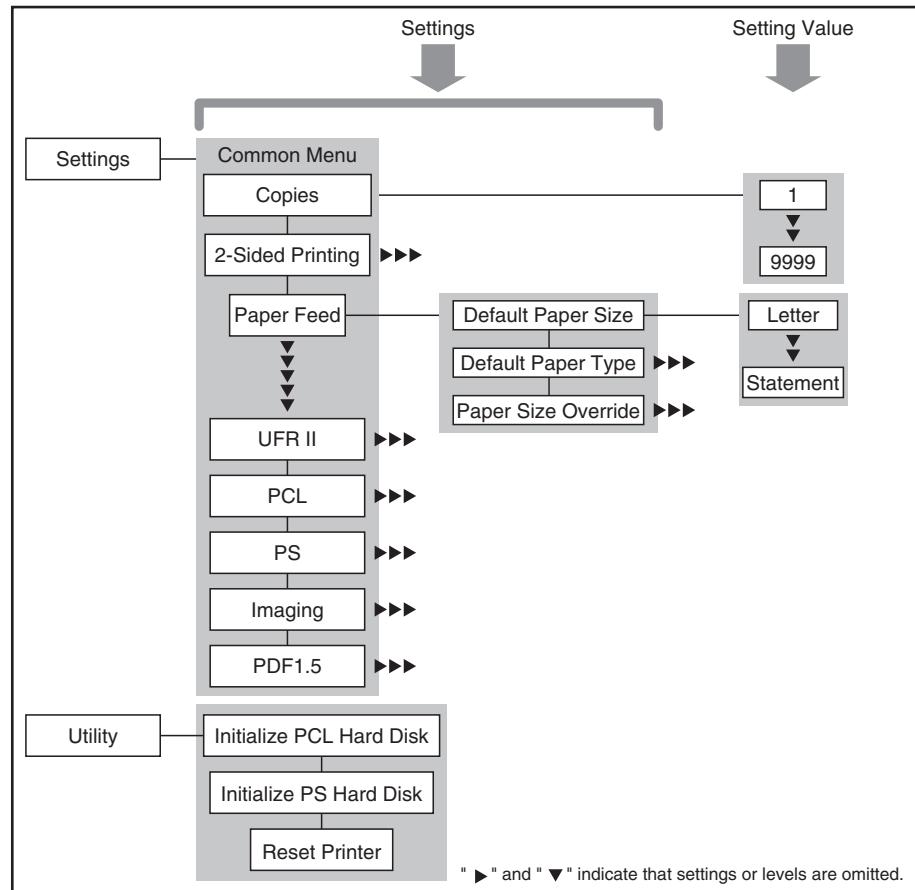
Accessing the Printer Settings Menu

The Printer Settings menu enables you to access common features. Below is an abbreviated outline of the Printer Settings menu structure. For a detailed description of all Printer Settings menu options, see Chapter 3, "Printer Settings Menu."

As an example, the sequence of steps for setting the default number of copies is shown on the following pages.

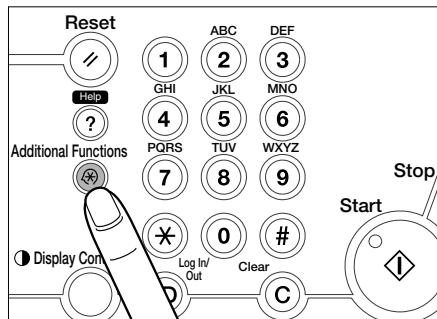
NOTE

Depending on the printer personality, some settings are not available. For details on the availability of settings, see Chapter 3, "Printer Settings Menu."



" ▶ " and " ▼ " indicate that settings or levels are omitted.

1 Press (Additional Functions).



2 Press [Printer Settings].



3 Press [Settings].



4 Press [Copies].



5 Press [-] or [+] to enter the number of copies.



You can also use ① - ⑨ (numeric keys) to enter the value, and ③ (Clear) to clear your entry.

You can change the value by pressing [-] or [+], even if you have entered the value using ① - ⑨ (numeric keys).

If you enter a value outside the setting range, a message prompting you to enter an appropriate value appears on the screen.

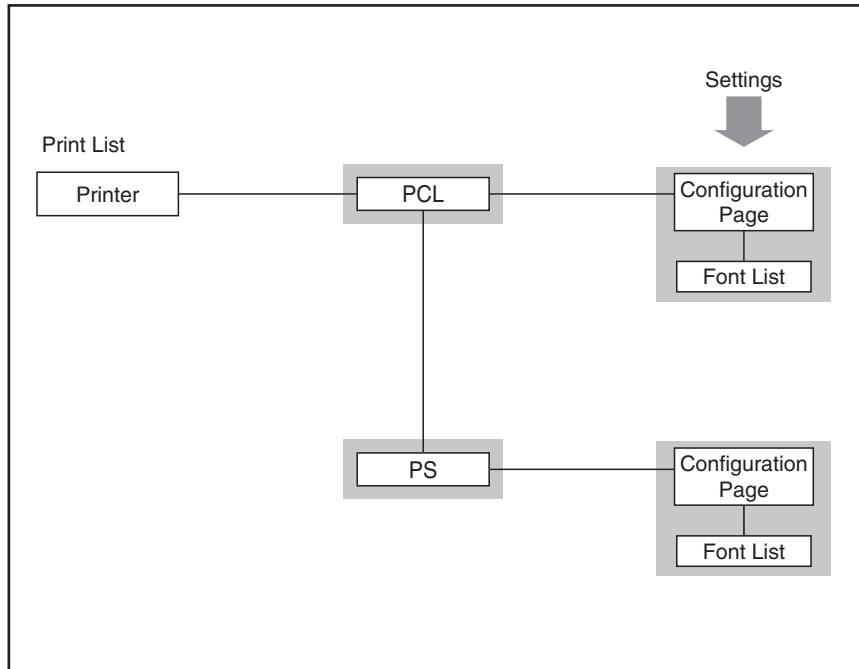
6 Confirm the setting → press [OK].



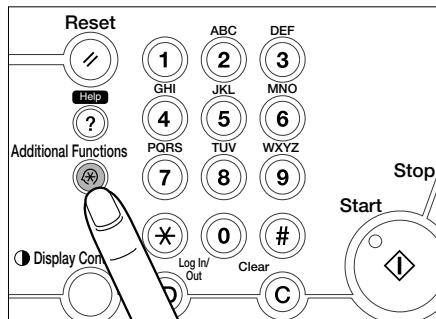
Accessing the Report Settings Menu

The Report Settings menu enables you to access report print features, such as checking the configuration. Below is an abbreviated outline of the Report Settings menu structure. For a detailed description of Report Settings menu options, see Chapter 4, "Report Settings Menu."

As an example, the sequence of steps for printing a Configuration Page is shown on the following pages.



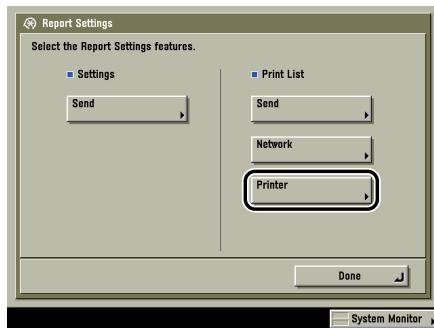
1 Press (Additional Functions).



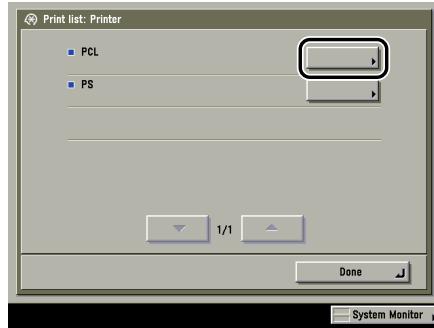
2 Press [Report Settings].



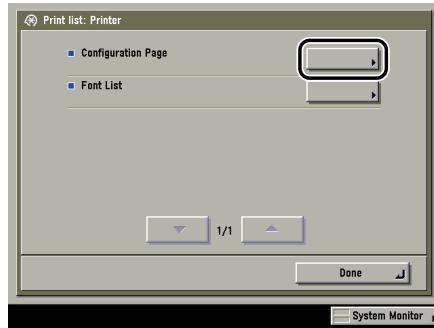
3 Press [Printer] under <Print List>.



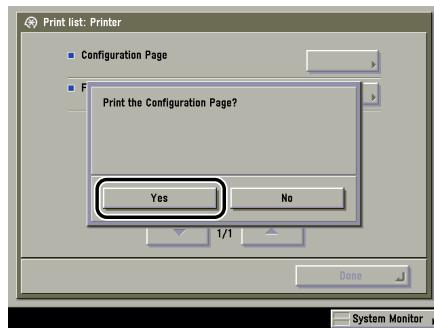
4 Press [PCL].



5 Press [Configuration Page].



6 Press [Yes] to print the page.



If you do not want to print the configuration page, press [No].

If the printer function is working correctly, the Configuration Page will be similar to the sample below.

PCL Configuration Page

PS Configuration Page

Canon

Configuration Page

iR5075

Hardware Configuration

Product Name	: IR5075	RAM Size	: 1024 MB
Model No.	: IR5075	ROM Size	: 32 MB (Serial I)
Date	: 11/16/2006 12:00	HDD	: 37.7 GB
Language	: English	Options	: None
Main Board Version	: 2.0		
Controller Version	: 3.03.154		
Controller Function ID	: XXXXXXXXXXXXXXXXXXXXXXXX		
Processor Version	: 1.0		
Scanner Version	: 31.28		
Finisher Version	: 208.204.202.0.0		

Common Settings

Copies	: 1	Layout	: Long Edge
Single Sided Printing	: Off	Binding Location	: 0.0 mm
Auto Continue	: Off	Offset Long Edge (Front)	: 0.0 mm
Job Sequence	: 1	Offset Long Edge (Back)	: 0.0 mm
Print After Completing RIP	: Off	Offset Short Edge (Front)	: 0.0 mm
Print After Completing Print	: Off	Offset Short Edge (Back)	: 0.0 mm
Patch	: Off		
Booklet	: Off		
Use Cover Insertor	: Off	Auto Select	: On
Yield Value	: Off	PCL	: On
Transparency Interleaving	: Off	Imaging	: On
Transparency Support	: Off	PDF 1.3	: On
Personality	: Auto		
Model Name	: None		

Default Paper

Default Paper Size	: A4	Copy Numbering	: Off
Default Paper Type	: Matte Paper	Print Position	: 5 Locations
Paper Size Override	: Off	Number Size	: Large (Top point)

Print Quality

Print Quality Level	: On	Number Position	: Vertical
Density	: 1	Number Position Horizontal	: 0 mm
Image Save	: Off		
Text Reference	: On		
Horizontal Line Refinement	: Off		
Vertical Line Refinement	: Level 1		
Resolution	: 600 x 600		

PS

PS Settings

Printer Name	: IR5075	Halftones	: High Resolution
PS Version	: 3.0	Tess	: Halftone
Max Resolution	: 600 x 600	Graphics	: Halftone
Wad Timeout	: 3 s	Image	: Halftone
PS4 Fuser Errors	: Off		

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PostScript®3 emulation is referred to as PS throughout this page and panel menu.

2

CHAPTER

Handling Different Print Jobs

This chapter describes how to check and change print jobs from the touch panel display.

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Procedure for Checking and Changing Jobs

2

You can check or change the status of print jobs from the touch panel display.

For example, you can change the priority of jobs in the print queue, cancel jobs, check the details of jobs, or print password protected Secured Print jobs or Encrypted Secured Print jobs.

By displaying the job list, you can check the jobs currently being processed or waiting to be processed. By displaying the Log, you can confirm that jobs have been processed.

Jobs can be handled from the Print Basic Features screen or the System Monitor screen in the touch panel display with this machine. This section describes the procedure for checking the current machine status from each screen.

IMPORTANT

- The My Job Status screen is displayed in the Print Basic Features screen if you are using a login service. Only jobs for a logged-in user are displayed in the job list, and therefore you can block other users from accessing the job names or documents to prevent the flow of information from the machine. To enhance security of the print environment, it is recommended that you normally handle jobs from the Print Basic Features screen.
- For instructions on a login service, see the *MEAP SMS Administrator Guide*.
- For information on changing the priority of print jobs, checking the details and the log of jobs, or current status, see Chapter 5, "Checking Job and Device Status," in the *Reference Guide*.
- The items below relating to print jobs are not displayed if "Job Log Display" in System Settings (from the Additional Functions screen) is set to [Off]. (The default setting is [On].)
 - [Log] in the Print Basic Features screen
 - [Log] in the System Monitor screen
- If "Allow Secured Print from Print Status Screen" in System Settings (from the Additional Functions screen) is set to [Off], you cannot print a secured print job from the System Monitor screen. (The default setting is [Off].)
- You can restrict the display of the System Monitor screen under the following conditions if "Display Status Before Authentication" in System Settings (from the Additional Functions screen) is set to [Off]. (The default setting is [On].)

When "Display Status Before Authentication" is set to [Off]

✓: Displayed
✗: Not Displayed

Login service (Department ID Management, SSO, SDL, etc.)	System Monitor screen	
	Print, Copy, Send, Fax, and Receive screens	Device Status screen
Before logging in	✗	✓
After logging in	✓	✓

- Even if you set the 'Display Status Before Authentication' mode to [Off], access to the System Monitor screen is only restricted if a login service is set.

NOTE

Many of the check/change operations can also be performed from the Remote User Interface. (See the *Remote UI Guide*.)

Checking Jobs from the Print Basic Features Screen

If you press [My Job Status] or [Status] in the Print Basic Features screen, you can check print job status. If you press [Log], you can check the jobs that have already been processed.

1 Press [→] → [Print Job].



**NOTE**

- You can set the Print Basic Features screen to be the initial screen, when the main power is turned ON or after an Auto Clear, with "Initial Function and Function Order Settings" in Common Settings (from the Additional Functions screen). (See Chapter 4, "Customizing Settings," in the *Reference Guide*.)
- Depending on the system configuration, the Print Basic Features screen or the function key is displayed in the front page of the touch panel display as the initial screen.

2**2 Press [My Job Status], [Status], or [Log] to display the current machine status.****● If you press [My Job Status]:**

- The My Job Status screen is displayed if you are using a login service. Since only jobs for a user logged in to this machine will be displayed in the job list, you can block other users from accessing the job names or documents to prevent the flow of information from the machine. For instructions on a login service, see the *MEAP SMS Administrator Guide*.
- You can check only the logged-in user jobs currently being processed or waiting to be processed.



● If you press [Status]:

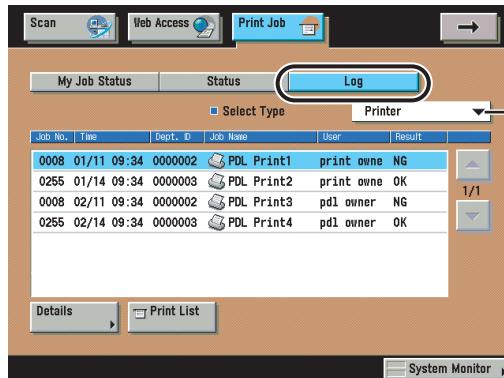
- You can check all the jobs currently being processed or waiting to be processed.



If you select [Secured Print], only secured print jobs (including encrypted secured print jobs) are displayed in the job list.

● If you press [Log]:

- You can check the jobs that have already been processed.

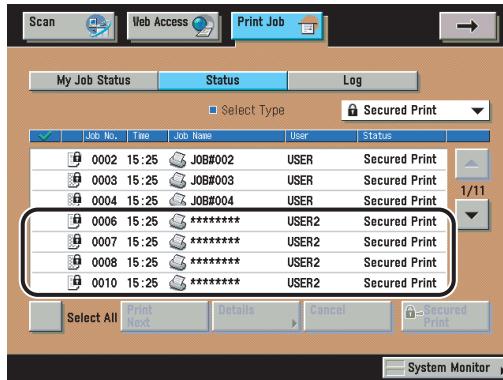


If you select [Printer], the print job log is displayed in the job list.

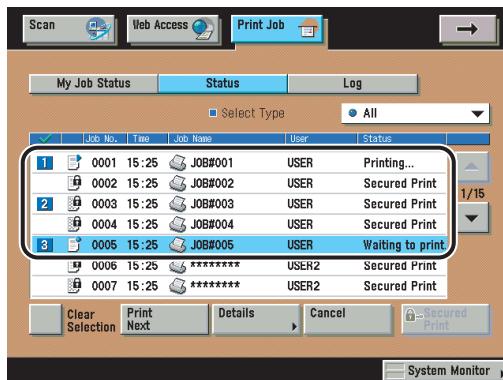


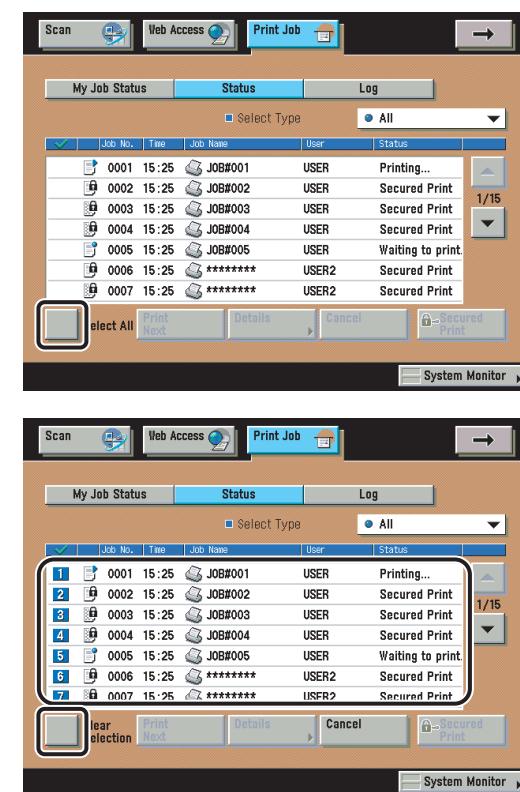
NOTE

- Secured print jobs (including encrypted secured jobs) other than for a logged-in user are displayed as asterisks (*) and cannot be handled unless you are using a login service. However, if you are logged in as an Administrator, you can perform any operation other than printing.



- You can change or cancel multiple jobs selected from the list. If you select multiple jobs, they are numbered in the order selected.





- If you press [Select All], you can select all the jobs. If you press [Clear Selection], any selected jobs are cleared.
- For instructions on canceling jobs or printing secured print jobs, see "Checking and Changing Print Jobs," on p. 2-11.
- For instructions on changing the priority of jobs in the print queue or checking the details of a job, see Chapter 5, "Checking Job and Device Status," in the *Reference Guide*.

Checking Jobs from the System Monitor Screen

If you press [Status] in the System Monitor screen, you can check print job status. If you press [Log], you can check the jobs that have already been processed.

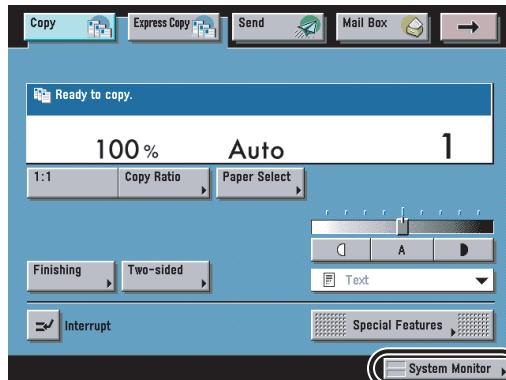
If you press [Device], you can quickly view machine information. The remaining amount of paper, toner, and staples, the amount of system memory currently being used, and error messages can be checked.

2

NOTE

The status bars (on the keys located on the bottom of the System Monitor screen) blink in red or green to indicate the status of jobs. The status bars blink green while jobs are being processed. Blinking red status bars indicate errors. For instructions on how to resolve errors, see Chapter 8, "Troubleshooting," in the *Reference Guide*.

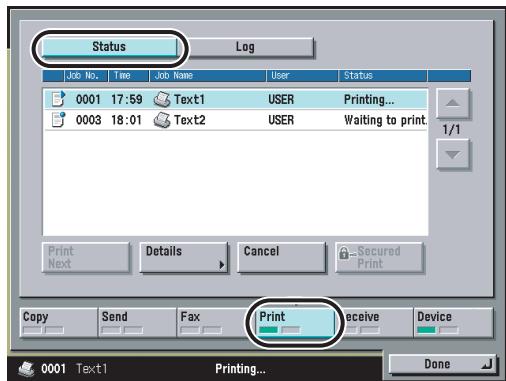
1 Press [System Monitor].



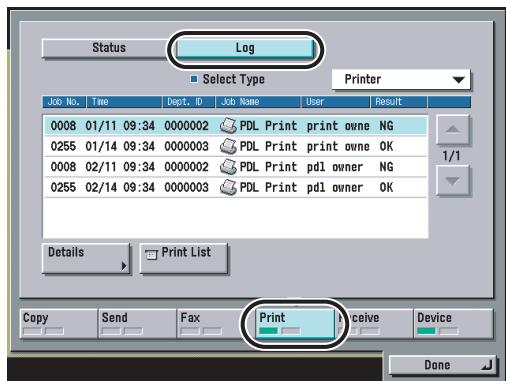
2 Press [Print] or [Device] to display the current machine status.

● If you press [Print]:

- Press [Status] to check the jobs currently being processed or waiting to be processed.

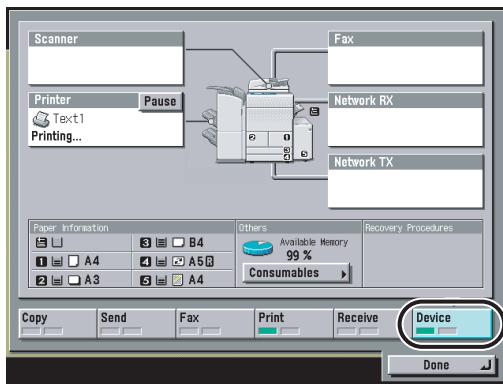


- Press [Log] to check the jobs that have already been processed.



● If you press [Device]:

- Check the current machine status.



3 Press [Done].

The screen returns to the Basic Features screen.



NOTE

For instructions on [Print], see "Checking and Changing Print Jobs," on p. 2-11. For instructions on [Device], see Chapter 5, "Checking Job and Device Status," in the *Reference Guide*.

Checking and Changing Print Jobs

This section describes the procedures for the job processes listed below.

- Canceling Print Jobs (See p. 2-12.)
- Canceling All Operations (Reset Printer) (See p. 2-17.)
- Temporarily Stopping Print Jobs (See p. 2-18.)
- Form Feeding Print Data (See p. 2-21.)
- Skipping an Error during Printing (See p. 2-25.)
- Printing Secured Documents (See p. 2-28.)
- Printing Encrypted Secured Documents (See p. 2-33.)

IMPORTANT

- You can restrict the display of the System Monitor screen under the following conditions if "Display Status Before Authentication" in System Settings (from the Additional Functions screen) is set to [Off]. (The default setting is [On].)

When "Display Status Before Authentication" is set to [Off]

✓: Displayed

✗: Not Displayed

Login service (Department ID Management, SSO, SDL, etc.)	System Monitor screen	
	Print, Copy, Send, Fax, and Receive screens	Device Status screen
Before logging in	✗	✓
After logging in	✓	✓

* Even if you set the 'Display Status Before Authentication' mode to [Off], access to the System Monitor screen is only restricted if a login service is set.

- You can receive print jobs only for encrypted secured documents with this machine if "Only Allow Encrypted Secured Jobs" in System Settings (from the Additional Functions screen) is set to [On]. A job will be canceled and an error message displayed if a print job other than an encrypted secured print job is received. (The default setting is [Off].)

 **NOTE**

The table below describes the icons that are displayed on the status and log screens.

Icon (Job Status)	Description
	Executing
	Waiting
	Error
	Canceling
	Paused
	Secured Document
	Encrypted Secured Document

Icon (Job Type)	Description
	Copy Job
	Mail Box Job
	Print Job
	Report Print Job
	Received Print Job

Cancelling Print Jobs

You can perform [Cancel] when you want to cancel a print job at the time data is currently being received or executed. It does not affect the print data of a following job or a job the machine has not yet started processing.

 **NOTE**

If you are not logged in as an Administrator, you can only cancel your own jobs.

Handling Jobs from the Print Basic Features Screen

To cancel jobs from the Print Basic Features screen, follow the steps below.

1 Press [→] → [Print Job].

NOTE

- You can set the Print Basic Features screen to be the initial screen, when the main power is turned ON or after an Auto Clear, with "Initial Function and Function Order Settings" in Common Settings (from the Additional Functions screen). (See Chapter 4, "Customizing Settings," in the *Reference Guide*.)
- Depending on the system configuration, the Print Basic Features screen or the function key is displayed in the front page of the touch panel display as the initial screen.

2 Press either [My Job Status] or [Status].



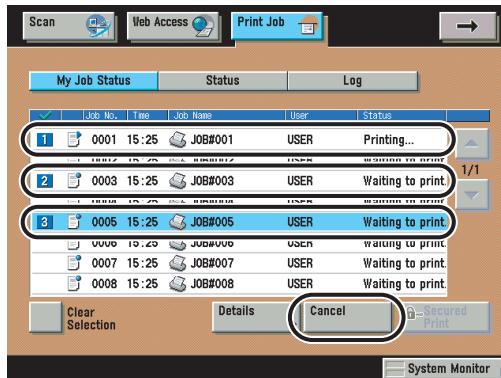
3 Select the job to be canceled → press [Cancel].



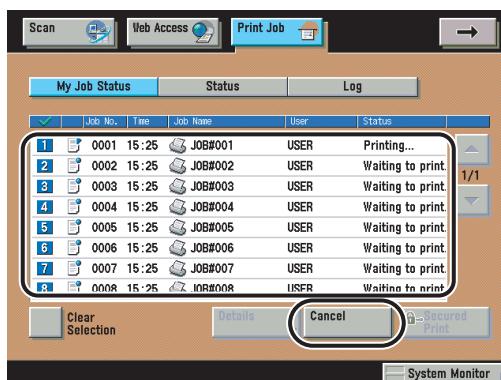


NOTE

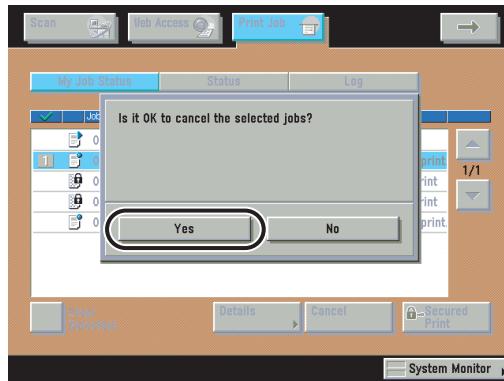
- To cancel multiple jobs, select jobs displayed in the list in the order to be canceled
→ press [Cancel].



- To cancel all jobs, press [Select All] → press [Cancel].



4 Press [Yes].



If you do not want to cancel, press [No].



NOTE

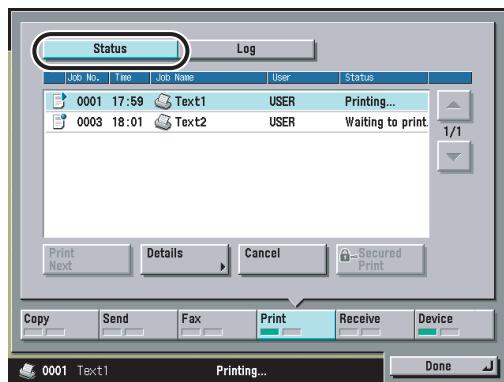
- You cannot cancel other users' jobs. However, if you are logged in as an Administrator, you can cancel the other users' jobs.
- <NG> is displayed in the print job log screen for canceled print jobs.

Handling Jobs from the System Monitor Screen

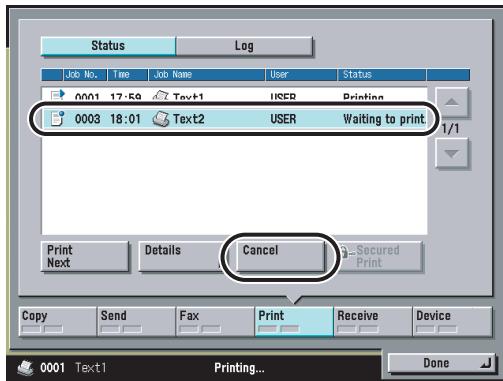
To cancel jobs from the System Monitor screen, follow the steps below.

1 Press [System Monitor] → [Print].

2 Press [Status].



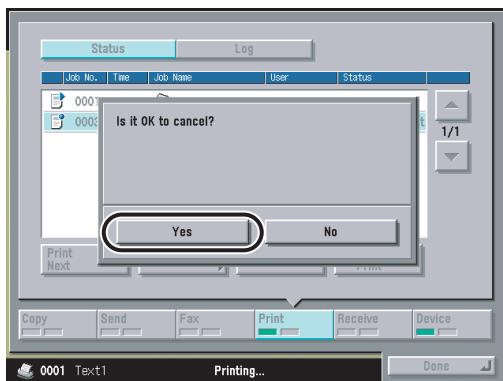
3 Select the job to be canceled → press [Cancel].



NOTE

You cannot select and cancel multiple jobs.

4 Press [Yes].



If you do not want to cancel, press [No].



NOTE

<NG> is displayed in the print job log screen for canceled print jobs.

5 Press [Done].

The screen returns to the Basic Features screen.

Cancelling All Operations (Reset Printer)

You can delete (reset) print data in memory and any jobs being processed.

IMPORTANT

- If the machine is being used in a network, please note that resetting the printer function may affect data being received from other users.
- If you reset the printer function, data is deleted for print jobs that have already been received, or received while the printer function is being reset. However, in some cases, the data is not deleted from the machine's memory, and the print job may not print correctly. Canon recommends that you reset the printer function to delete the data and print the job again.

1 Display the desired screen with the following procedure.

Press  (Additional Functions) → [Printer Settings] → [Utility] → [Reset Printer].

2 Press [Yes].



If you do not want to reset the printer, press [No].

3 Press [Done].

The screen returns to the Basic Features screen.

Temporarily Stopping Print Jobs

You can temporarily stop jobs currently being processed or waiting to be processed.

Handling Jobs from the Print Basic Features Screen

To stop jobs temporarily from the Print Basic Features screen, follow the steps below.

1 Press [→] → [Print Job].



NOTE

- You can set the Print Basic Features screen to be the initial screen, when the main power is turned ON or after an Auto Clear, with "Initial Function and Function Order Settings" in Common Settings (from the Additional Functions screen). (See Chapter 4, "Customizing Settings," in the *Reference Guide*.)
- Depending on the system configuration, the Print Basic Features screen or the function key is displayed in the front page of the touch panel display as the initial screen.

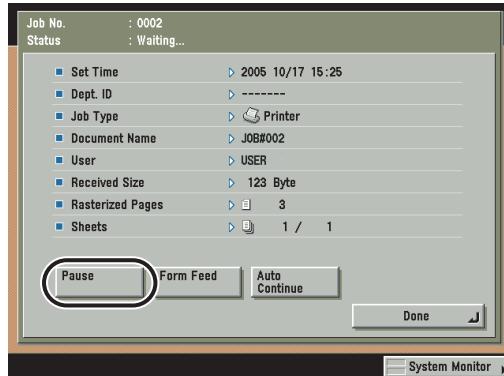
2 Press either [My Job Status] or [Status].



3 Select the job to be stopped → press [Details].



4 Press [Pause].



The print job will stop temporarily.



NOTE

While printing is paused, [Pause] changes to [Resume]. If you press [Resume], the print job will continue.

5 Press [Done].

The screen returns to the Basic Features screen.

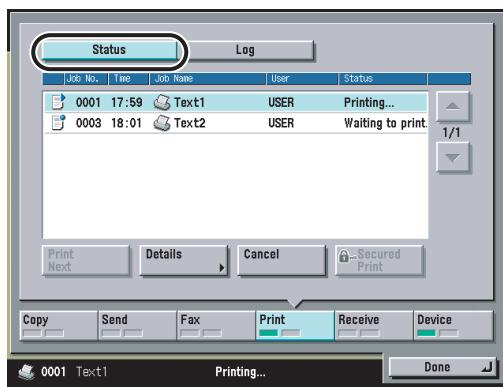
Handling Jobs from the System Monitor Screen

To stop jobs temporarily from the System Monitor screen, follow the steps below.

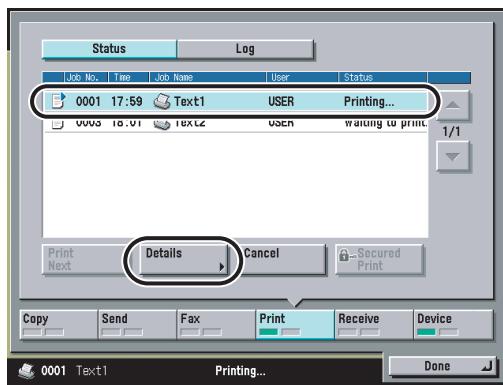
2

1 Press [System Monitor] → [Print].

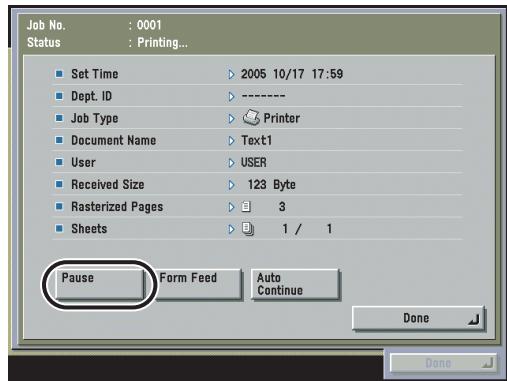
2 Press [Status].



3 Select the job to be stopped → press [Details].



4 Press [Pause].



The print job will stop temporarily.



NOTE

While printing is paused, [Pause] changes to [Resume]. If you press [Resume], the print job will continue.

5 Press [Done].

The screen returns to the Basic Features screen.

Form Feeding Print Data

If a job is canceled from the computer or received data does not fill one full page, the data remains in the machine's memory. In this case, the print job may not finish properly; the data can no longer be received and a following job cannot be processed. If this happens, force the data to be form fed.



IMPORTANT

You can use [Form Feed] to print data remaining in memory. If you do not want to print data, follow the procedure "Canceling All Operations (Reset Printer)," on p. 2-17.

Handling a Job from the Print Basic Features Screen

To force a job to be form fed from the Print Basic Features screen, follow the steps below.

1 Press [→] → [Print Job].



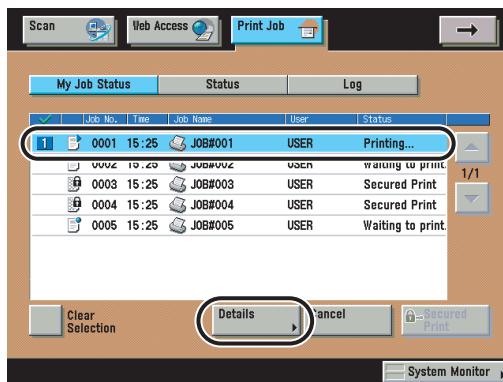
NOTE

- You can set the Print Basic Features screen to be the initial screen, when the main power is turned ON or after an Auto Clear, with "Initial Function and Function Order Settings" in Common Settings (from the Additional Functions screen). (See Chapter 4, "Customizing Settings," in the *Reference Guide*.)
- Depending on the system configuration, the Print Basic Features screen or the function key is displayed in the front page of the touch panel display as the initial screen.

2 Press either [My Job Status] or [Status].



3 Select the job to be form fed → press [Details].



4 Press [Form Feed].



5 Press [Done].

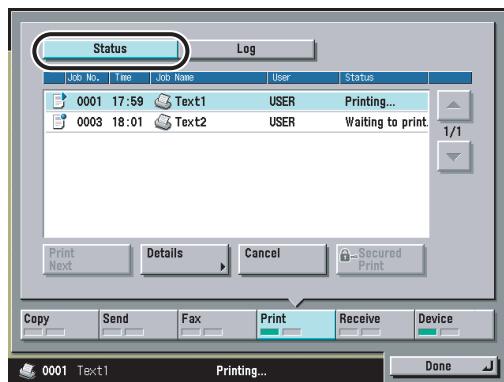
The screen returns to the Basic Features screen.

Handling a Job from the System Monitor Screen

To force a job to be form fed from the System Monitor screen, follow the steps below.

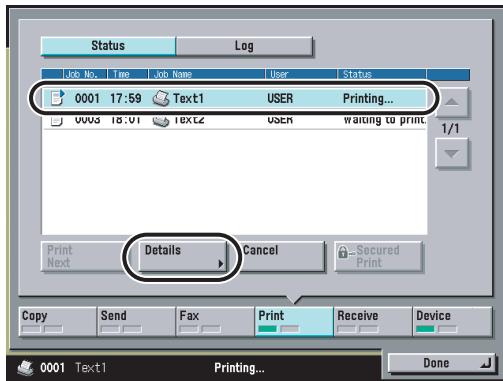
1 Press [System Monitor] → [Print].

2 Press [Status].



2

3 Select the job to be form fed → press [Details].



4 Press [Form Feed].



5 Press [Done].

The screen returns to the Basic Features screen.

Skipping an Error during Printing

If an error occurs during printing, you may be able to continue printing depending on the error by pressing [Auto Continue]. However, an error is only temporarily cleared. Data may also not be printed correctly. For information on types of errors that can be temporarily cleared with Auto Continue, see "When a Message Is Displayed," on p. 6-3.

Handling a Job from the Print Basic Features Screen

To bypass an error and continue printing from the Print Basic Features screen, follow the steps below.

1 Press [→] → [Print Job].



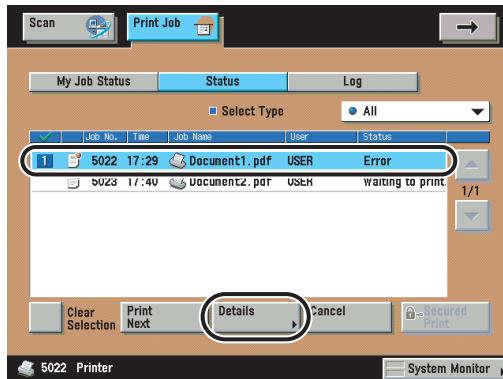
NOTE

- You can set the Print Basic Features screen to be the initial screen, when the main power is turned ON or after an Auto Clear, with "Initial Function and Function Order Settings" in Common Settings (from the Additional Functions screen). (See Chapter 4, "Customizing Settings," in the *Reference Guide*.)
- Depending on the system configuration, the Print Basic Features screen or the function key is displayed in the front page of the touch panel display as the initial screen.

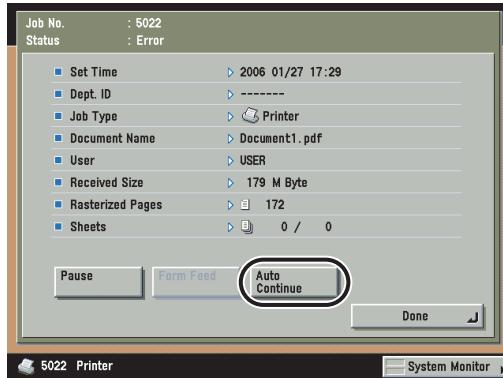
2 Press either [My Job Status] or [Status].



3 Select the job with an error to be skipped → press [Details].



4 Press [Auto Continue].



5 Press [Done].

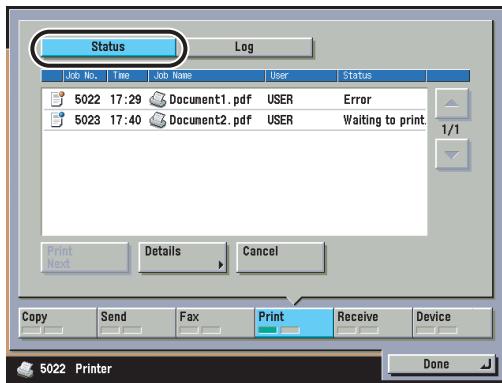
The screen returns to the Basic Features screen.

Handling a Job from the System Monitor Screen

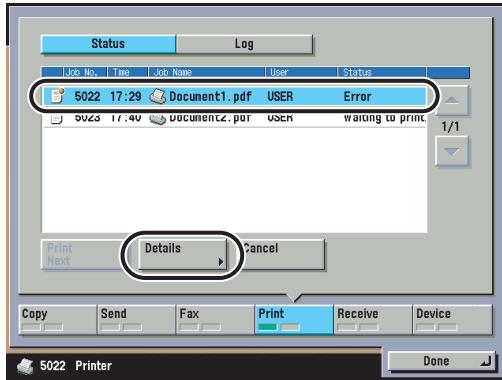
To bypass an error and continue printing from the System Monitor screen, follow the steps below.

1 Press [System Monitor] → [Print].

2 Press [Status].



3 Select the job with an error to be skipped → press [Details].



4 Press [Auto Continue].



5 Press [Done].

The screen returns to the Basic Features screen.

Printing Secured Documents

You can print out documents (print data) that have been assigned a password and sent to this machine from a computer. Documents with a password are called "secured documents."

Secured documents sent to this machine are displayed with a locked document icon () in the job list in the touch panel display, and are queued for printing.

To print these documents, you need to enter the correct password. This prevents unauthorized people who do not know the password from printing or accessing the documents.



IMPORTANT

- Only a logged-in user can print secured documents (including encrypted secured documents) if a login service is being used.
- Setting for assigning a password at the computer is made with the printer driver.
- If the main power is turned OFF or [Reset Printer] is performed (See p. 3-62), any secured documents in the machine are erased.
- Secured documents are erased after they are printed.
- You cannot change the print settings of secured documents (set through the printer driver).
- Secured documents will automatically be erased even if not printed. The Job Securing Time setting enables you to specify how long a job will be stored before it is erased. (See p. 3-21.)
- The number of secured documents that can be stored at one time (including encrypted secured documents) is 50. If the number of jobs exceeds the maximum storables number, those jobs will be ignored.
- A large secured print job with many pages may be canceled by the machine. A canceled secured print job does not appear on the Print Job status screen. The machine can store up to 6,000 pages per secured print job; however, if the machine is being used for other jobs or operations, such as the storing of documents in inboxes, the actual number of pages per secured print job that the machine can process is fewer than 6,000.

Handling Jobs from the Print Basic Features Screen

To print secured documents from the Print Basic Features screen, follow the steps below.

1 Press [→] → [Print Job].



NOTE

- You can set the Print Basic Features screen to be the initial screen, when the main power is turned ON or after an Auto Clear, with "Initial Function and Function Order Settings" in Common Settings (from the Additional Functions screen). (See Chapter 4, "Customizing Settings," in the *Reference Guide*.)
- Depending on the system configuration, the Print Basic Features screen or the function key is displayed in the front page of the touch panel display as the initial screen.

2 Press either [My Job Status] or [Status].



3 Select the secured document that you want to print → press [Secured Print].

To display only secured documents (including encrypted secured documents) in the [Status] list, select [Secured Print] at 'Select Type'.



4 Enter the password using ① - ⑨ (numeric keys) → press [OK].



Printing starts.

To cancel printing the secured document, press [Cancel] on the Secured Print screen.

 **NOTE**

- You cannot simultaneously select secured documents and encrypted secured documents from the job list to clear their passwords.
- Enter the same password that you originally assigned to the document at the computer. This will enable printing. If there is a current or reserved job, it will be queued for printing.
- If multiple or all secured documents have the same password, you can select them and clear their passwords simultaneously.

Handling Jobs from the System Monitor Screen

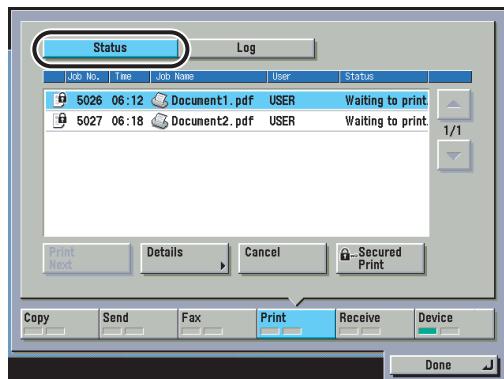
To print secured documents from the System Monitor screen, follow the steps below.

 **IMPORTANT**

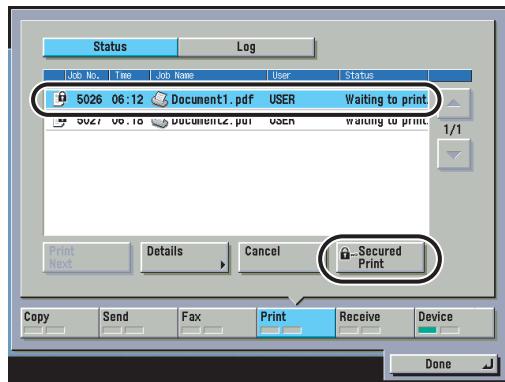
If "Allow Secured Print from Print Status Screen" in System Settings (from the Additional Functions screen) is set to [Off], you cannot print a secured print job from the System Monitor screen. (The default setting is [Off].)

1 Press [System Monitor] → [Print].

2 Press [Status].



3 Select the secured document that you want to print → press [Secured Print].



4 Enter the password using ① - ⑨ (numeric keys) → press [OK].



Printing starts.

To cancel printing the secured document, press [Cancel] on the Secured Print screen.



NOTE

- You cannot simultaneously select secured documents and encrypted secured documents from the job list to clear their passwords.
- Enter the same password that you originally assigned to the document at the computer. This will enable printing. If there is a current or reserved job, it will be queued for printing.

5 Press [Done].

The display returns to the Basic Features screen.

Printing Encrypted Secured Documents

You can print out documents (print data) that have been encrypted and sent to this machine from a computer.

Print data that are encrypted using this machine are called "encrypted secured documents." Since the data is encrypted, security is enhanced at the queued stage. Encrypted secured documents sent to this machine are displayed with a locked document icon with a dotted pattern () in the job list in the touch panel display, and are queued for printing. To print these documents, you need to enter the correct password. This prevents unauthorized people who do not know the password or are not logged in from printing or accessing the documents.

Document data is encrypted before being sent to this machine. This allows you to print within a more highly secured environment compared to a secured document.

For detailed information on encrypted secured documents and instructions on printing, please refer to the *User's Guide* included in the Encrypted Secure Print Software.



IMPORTANT

- To use the Encrypted Secured Print function, the Encrypted Secure Print Software is required.
- If "Allow Secured Print from Print Status Screen" in System Settings (from the Additional Functions screen) is set to [Off], you cannot print an encrypted secured print job from the System Monitor screen. (The default setting is [Off].)
- You can receive print jobs only for encrypted secured documents with this machine if "Only Allow Encrypted Secured Jobs" in System Settings (from the Additional Functions screen) is set to [On]. A job will be canceled and an error message displayed if a print job other than an encrypted secured print job is received. (The default setting is [Off].)
- Only a logged-in user can print encrypted secured documents (including secured documents) if a login service is being used.
- If the main power is turned OFF or [Reset Printer] is performed (See p. 3-62), any encrypted secured documents in the machine are erased.
- Encrypted secured documents are erased after they are printed.
- You cannot change the print settings of encrypted secured documents (set through the printer driver).
- Encrypted secured documents will automatically be erased even if not printed. The Job Securing Time setting enables you to specify how long a job will be stored before it is erased. (See p. 3-21.)
- The number of encrypted secured documents that can be stored at one time (including secured documents) is 50. If the number of jobs exceeds the maximum storable number, those jobs will be ignored.
- A large encrypted secured print job with many pages may be canceled by the machine. A canceled encrypted secured print job does not appear on the Print Job status screen. The machine can store up to 6,000 pages per encrypted secured print job (including secured documents). However, if the machine is being used for other jobs or operations, such as the storing of documents in inboxes, the actual number of pages per encrypted secured print job that the machine can process is fewer than 6,000.

3

CHAPTER

Printer Settings Menu

This chapter describes how to use the Printer Settings menu and its submenus.

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Overview of Printer Settings

The following table lists all settings of the Printer Settings menu.

■ Settings Menu

Item	Settings	Applicable Page
Copies	1 to 9999; 1*	p. 3-9
2-Sided Printing	On, Off*	p. 3-9
Paper Feed		
Default Paper Size	Letter*, Legal, A4, A3, A5, 11x17, Executive, Statement	p. 3-10
Default Paper Type	Plain Paper*, Transparency, Heavy Paper, Recycled Paper, Color Paper, Letterhead, Tracing Paper, Bond Paper, Labels, Pre-punched, Tab Paper	p. 3-11
Paper Size Override	On, Off*	p. 3-12
Print Quality		
Image Refinement	On*, Off	p. 3-12
Density* ¹	1 to 9; 5*	p. 3-13
Toner Save	On, Off*	p. 3-13
Line Refinement* ²	On, Off	p. 3-13
Horizontal Line Refinement* ³	Off*, Level 1, Level 2, Level 3, Level 4	p. 3-14
Vertical Line Refinement* ³	Off, Level 1*, Level 2, Level 3, Level 4	p. 3-14
Resolution* ³	1200 dpi, 600 dpi*	p. 3-15
Layout		
Binding Location	Long Edge*, Short Edge	p. 3-16
Margin	-1.90 to +1.90 inches; 0.00* inches	p. 3-17
Offset Short Edge (Front)	-2.00 to +2.00 inches; 0.00* inches	p. 3-19
Offset Long Edge (Front)	-2.00 to +2.00 inches; 0.00* inches	p. 3-19
Offset Short Edge (Back)	-2.00 to +2.00 inches; 0.00* inches	p. 3-20

Item	Settings	Applicable Page
Offset Long Edge (Back)	-2.00 to +2.00 inches; 0.00* inches	p. 3-20
Auto Continue	On, Off*	p. 3-21
Job Securing Time	1 hour*, 2 hours, 3 hours, 6 hours, 12 hours, 24 hours	p. 3-21
Timeout	Timeout (5 to 300 seconds), Off; 15* seconds	p. 3-22
Print After Completing RIP	On, Off*	p. 3-23
Finishing	Off*, Collate, Rotate+Collate, Rotate+Group, Offset+Collate, Offset+Group, Staple+Collate, Staple+Group Copies to Offset (Offset+Collate): 1 to 9999; 1* Staple Position (Staple+Collate): Corner (Upper-L), Double (Top), Corner (Upper-R), Double (Right), Corner (Lower-R), Double (Bottom), Corner (Lower-L), Double (Left) Staple Position (Staple+Group): Grp Upp L-Corner, Grp Double(Top), Grp Upp R-Corner, Grp Double(R), Grp Lwr R-Corner, Grp Double(Btm), Grp Lwr L-Corner, Grp Double(L)	p. 3-24
Punch	Off*, Top, Bottom, Left, Right	p. 3-29
Booklet	On, Off*	p. 3-30
Saddle Stitch^{*4}	On, Off*	p. 3-31
Creep Correction^{*4}	Off*, Auto, Correction Width (0.000 to 0.392 inches)	p. 3-32
Use Cover Inserter	On, Off*	p. 3-34
Fold Type	Off*, Z-Fold, C-Fold	p. 3-35
Transparency Interleaving^{*5}	Off*, Blank, Printed	p. 3-38
Copy Set Numbering^{*6}		
Copy Set Numbering	On, Off*	p. 3-39
Print Position	5 Locations*, Top Left, Bottom Left, Top Right, Bottom Right, Full Surface	p. 3-40

Item	Settings	Applicable Page
Starting Number	1 to 9999; 1*	p. 3-40
Number Size	Small(12 point), Medium(24 point), Large(36 point)*	p. 3-40
Density	1 to 5; 3*	p. 3-41
Number Position Vertical	-5/16 to +5/16 inches; 0° inches	p. 3-41
Number Position Horizontal	-5/16 to +5/16 inches; 0° inches	p. 3-41
Face Up/Down	Face Down*, Face Up	p. 3-42
Personality * ⁷	Auto*, PS, PCL, Imaging, PDF1.5	p. 3-42
Mode Priority * ⁷	None*, PS, PCL, PDF1.5	p. 3-43
Initialize	—	p. 3-43

An asterisk (*) indicates the default setting.

*1 Indicates a menu that appears only when 'Toner Save' is set to [Off].

*2 The default setting will differ according to the model you use.

- imageRUNNER 5075/5065/5055: On
- imageRUNNER 5050: Off

*3 Indicates menus that appear only on the imageRUNNER 5075/5065/5055.

*4 Indicates menus that appear only when 'Booklet' is set to [On].

*5 Indicates a menu that appears only when 'Copy Set Numbering' is set to [Off].

*6 Indicates a menu that appears only when 'Transparency Interleaving' is set to [Off].

*7 Settings are not applicable for the UFR II mode.

■ UFR II Settings*⁸

Item	Settings	Applicable Page
Halftones		
Text	Tone, Gradation, Resolution*, High Resolution	p. 3-44
Graphics	Tone*, Gradation, Resolution, High Resolution	
Image	Tone*, Gradation, Resolution, High Resolution	
Paper Save	On*, Off	

An asterisk (*) indicates the default setting.

*8 Settings are applicable only for the UFR II mode.

■ PCL Settings^{*9}

Item	Settings	Applicable Page
Paper Save	On, Off*	p. 3-46
Orientation	Portrait*, Landscape	p. 3-46
Font Number	0 to 91; 0*	p. 3-47
Point Size^{*10}	4.00 to 999.75 point; 12.00* point	p. 3-47
Pitch^{*11}	0.44 to 99.99 cpi; 10.00* cpi	p. 3-47
Form Lines	5 to 128 lines; 60* lines	p. 3-47
Symbol Set	DESKTOP, ISO4, ISO6, ISO11, ISO15, ISO17, ISO21, ISO60, ISO69, ISOL1, ISOL2, ISOL5, ISOL6, LEGAL, MATH8, MCTEXT, MSPUBL, PC775, PC8*, PC850, PC852, PC8DN, PC8TK, PC1004, PIFONT, PSMATH, PSTEXT, ROMAN8, VNINTL, VNMATH, VNUS, WIN30, WINBALT, WINL1, WINL2, WINL5	p. 3-48
Custom Paper	On, Off*	p. 3-48
Unit of Measure	Millimeters, Inches*	p. 3-48
X dimension	5.82 to 24.80 inches; 17.00* inches	p. 3-48
Y dimension	3.89 to 11.69 inches; 11.69* inches	p. 3-49
Append CR to LF	Yes, No*	p. 3-49
Enlarge A4 Print Width	On, Off*	p. 3-50
Halftones		
Text	Tone, Gradation, Resolution*, High Resolution	p. 3-51
Graphics	Tone*, Gradation, Resolution, High Resolution	
Image	Tone*, Gradation, Resolution, High Resolution	

An asterisk (*) indicates the default setting.

^{*9} Settings are applicable only for the PCL mode.

^{*10} Indicates a menu that appears only if 'Font Number' is specified from '1' to '69'.

^{*11} Indicates a menu that appears only if 'Font Number' is specified from as '0' or as from '70' to '89'.

■ PS Settings^{*12}

Item	Settings	Applicable Page
Job Timeout	0 to 3600 seconds; 0* seconds	p. 3-52
Wait Timeout	0 to 3600 seconds; 300* seconds	p. 3-52
Print PS Errors	On, Off*	p. 3-52
Halftones		
Text	Gradation, Resolution, High Resolution*	p. 3-53
Graphics	Gradation*, Resolution, High Resolution	
Image	Gradation*, Resolution, High Resolution	

An asterisk (*) indicates the default setting.

*12 Settings are applicable only for the PS mode.

■ Imaging Settings^{*13}

Item	Settings	Applicable Page
Image Orientation	Auto*, Vertical, Horizontal	p. 3-54
Zoom	Off*, Auto	p. 3-55
Print Position	Auto*, Center, Top Left	p. 3-55
Show Warnings	On*, Off	p. 3-56
Enlarge Print Area	Off*, On	p. 3-56
Halftones	Gradation*, Resolution, High Resolution	p. 3-57

An asterisk (*) indicates the default setting.

*13 Settings are applicable only for the Imaging mode of Direct Print.

■ PDF1.5 Settings^{*14}

Item	Settings	Applicable Page
Enlarge/Reduce to Fit Size	On, Off*	p. 3-58
Enlarge Print Area	On, Off*	p. 3-58
N-up Print	Off*, 2 on 1, 4 on 1, 6 on 1, 8 on 1, 9 on 1, 16 on 1	p. 3-59
Halftones		

Item	Settings	Applicable Page
Text	Gradation, Resolution, High Resolution*	p. 3-60
Graphics	Gradation*, Resolution, High Resolution	
Image	Gradation*, Resolution, High Resolution	
Comment Print	On, Off, Auto*	p. 3-60

An asterisk (*) indicates the default setting.

*14 Settings are applicable only for the PDF1.5 mode of Direct Print.

■ Utility Menu

Item	Settings	Applicable Page
Initialize PCL Hard Disk^{*15}	—	p. 3-61
Initialize PS Hard Disk^{*16}	—	p. 3-61
Reset Printer	—	p. 3-62

*15 Settings are applicable only for the PCL mode.

*16 Settings are applicable only for the PS mode.

Settings Menu

An asterisk (*) indicates the default setting in this section.

Copies

1 to 9999; 1*

This setting enables you to specify the number of copies printed. The default setting is '1', but you can specify up to 9999 copies.

2-Sided Printing

On, Off*

This parameter enables you to select one-sided or two-sided printing. When '2-Sided Printing' is specified, the document is printed on both sides of the paper.



NOTE

- Two-sided printing can use either the paper drawer or the stack bypass with the following sizes.
 - 11" x 17", LGL, LTR, LTRR, STMTR, A3, JIS-B4, A4, A4R, JIS-B5, JIS-B5R, and A5R
- Two-sided printing can use paper within the following range:
 - 17 lb bond to 110 lb index (64 to 200 g/m²)
- When printing on letterhead paper, or paper with a logo (such as a cover sheet), please note the following:
 - If the paper is fed from a paper drawer, the printing surface should be face down.
 - If the paper is fed from the stack bypass or the optional paper deck, the printing surface should be face up.

Paper Feed

■ Default Paper Size

Letter*, Legal, A4, A3, A5, 11" x 17", Executive, and Statement

This parameter defines the default paper size used when the paper size cannot be set within the application software, when no paper source is specified.



IMPORTANT

If you are printing from an OS that does not have a printer driver for the machine (MS-DOS, UNIX, etc.), make sure that the paper loaded in the paper drawer matches the paper size specified in this setting. If the paper size specified in this setting is not available, an error message is displayed when the machine tries to print the job and the machine stops. In addition, if a paper source has not been selected through the application, the machine automatically selects the default print settings for the paper size and type. (See Chapter 4, "Customizing Settings," in the *Reference Guide*.)

■ Default Paper Type

Plain Paper*, Transparency, Heavy Paper, Recycled Paper, Color Paper, Letterhead, Tracing Paper, Bond Paper, Labels, Pre-punched, and Tab Paper

This parameter sets the default paper type to be used for print jobs. This machine has internally defined optimal print modes for each specified paper type.



IMPORTANT

If you are printing from an OS that does not have a printer driver for the machine (MS-DOS, UNIX, etc.), make sure that the paper loaded in the paper drawer matches the paper type specified in this setting. If the paper type specified in this setting is not available, an error message is displayed when the machine tries to print the job, and the machine stops. In addition, if a paper source has not been selected through the application, the machine automatically selects the default print settings for the paper type and size. (See Chapter 4, "Customizing Settings," in the *Reference Guide*.)



NOTE

- Use the following figures as a guideline to decide whether paper should be specified as Plain Paper or Heavy Paper.
 - Plain Paper: 17 to 24 lb bond (64 to 90 g/m²)
 - Heavy Paper: 24 lb bond to 110 lb index (91 to 200 g/m²)
- Canon transparency film is recommended for printing on transparencies.
- Canon label paper is recommended for printing on labels.
- Plain Paper, Heavy Paper, Recycled Paper, Color Paper, Letterhead, Bond Paper, and Pre-punched can be printed using two-sided printing.

■ Paper Size Override

On, Off

If paper of the size that is set in the printer driver has not been loaded in the paper drawer, the paper that is printed is changed to the following sizes.

Printer Driver Setting	Paper
Letter	A4
A4	Letter
11" x 17"	A3
A3	11" x 17"

If [On] is selected, the paper size is changed.

If [Off] is selected, the paper supply message is displayed and the paper size is not changed.



NOTE

The paper size does not change if there is no paper in the paper source of the size that is set in the printer driver, even if 'Paper Size Override' is set to [On].

Print Quality

■ Image Refinement

On*, Off

This setting smooths the jagged outlines of characters and graphics.

If [On] is selected, smoothing is performed before printing.

If [Off] is selected, jobs are printed without being smoothed.



NOTE

- The function is not available if 'Resolution' is set to [1200 dpi].
- The results of image refinement may be different depending on the types of characters and graphics you want to print.

■ Density

1 to 9; 5*

This setting adjusts the print density.

Pressing [Dark] makes the print image darker, pressing [Light] makes the image lighter. This setting has 9 levels you can adjust, with level '5' (middle level) being the default setting.



NOTE

This function is not available if 'Toner Save' is set to [On].

■ Toner Save

On, Off*

This setting enables you to set the Toner Save function. Toner Save uses less toner to print documents and may result in longer toner life.



NOTE

- The function is not available if 'Resolution' is set to [1200 dpi].
- Depending on the data to be printed, 'Toner Save' may not be applied even if [On] is selected.
- If [On] is selected for 'Toner Save', very light or finely detailed images may not be printed clearly.

■ Line Refinement

On, Off

This setting enables clearer printing of fine lines and small characters, or when you want to print characters and lines thicker.



NOTE

- This setting remains in effect even when the printer job is sent to a box.
- The default setting will differ according to the model you use.
 - imageRUNNER 5075/5065/5055: On
 - imageRUNNER 5050: Off

■ Horizontal Line Refinement

Off*, Level 1, Level 2, Level 3, and Level 4

This setting adjusts the thickness of horizontal lines to express fine lines and small characters more clearly. The higher the level number, the thicker the horizontal lines printed.



NOTE

- This function is not available on the imageRUNNER 5050.
- This setting is also available when 'Line Refinement' is set to [On] in the printer driver.
- With this setting, horizontal lines are based on the direction in which the paper is fed.
- Selecting [Level 2] or higher for this setting may result in abrupt changes in gradation with halftone images.

■ Vertical Line Refinement

Off, Level 1*, Level 2, Level 3, and Level 4

This setting adjusts the thickness of vertical lines to express fine lines and small characters more clearly. The higher the level number, the thicker the vertical lines printed.



NOTE

- This function is not available on the imageRUNNER 5050.
- This setting is also available when 'Line Refinement' is set to [On] in the printer driver.
- With this setting, vertical lines are based on the direction in which the paper is fed.
- Selecting [Level 2] or higher for this setting may result in abrupt changes in gradation with halftone images.

■ Resolution

1200 dpi, 600 dpi*

This setting specifies the resolution for printing.

Resolution is expressed in units of dpi (dots per inch), indicating the number of dots in one inch. The higher the value, the greater the resolution, allowing finer expression of detail.

If [1200 dpi] is selected, the outline of characters and diagrams can be finely printed. This is suited to printing data containing fine lines and small characters.

If [600 dpi] is selected, you can perform printing suited to general documents and tables.



NOTE

- This function is not available on the imageRUNNER 5050.
- This setting cannot be applied to jobs in PCL5e mode.
- When printing on large scale paper, set 'Resolution' to [600 dpi]. If [1200 dpi] is selected, there will not be enough memory necessary to process printing and printing will not be possible.

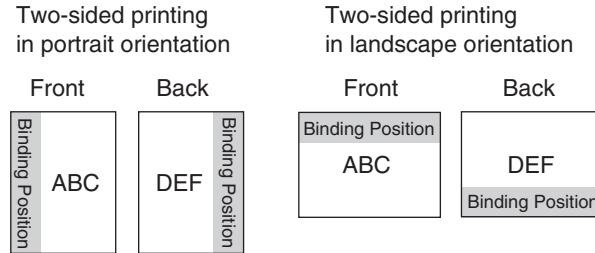
Layout

■ Binding Location

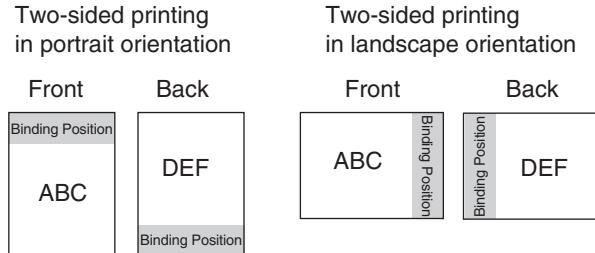
Long Edge*, Short Edge

This parameter determines whether the binding position is along the long edge or the short edge of the paper. When binding for two-sided printing, the image orientation is automatically adjusted for correct layout.

When the binding position is on the long edge of the paper:



When the binding position is on the short edge of the paper:



NOTE

- You cannot create a binding margin with this setting alone. Use this setting in combination with the Margin setting to create a binding margin.
- For two-sided printing, the orientation of the image on the back side of the page may be changed by this setting.

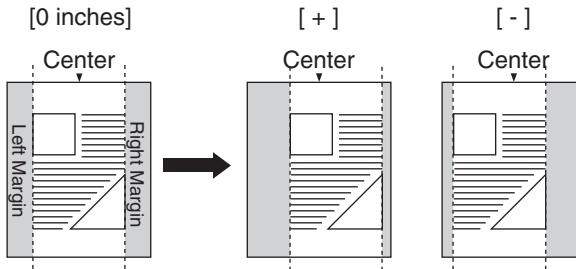
■ Margin

-1.90 to +1.90 inches (in increments of 0.01 inches); 0.00* inches

This setting enables you to set the page margin. The settings can be set from -1.90" (-50.0 mm) through +1.90" (+50.0 mm) in increments of 0.01" (0.5 mm).

Use [▲] to increase the width of the inside margin.

Use [▼] to increase the width of the outside margin.



You can specify the edge along which the margin will be created in the 'Binding Location' setting (previous setting). To create a margin along one of the edges of the paper, use this setting in combination with the 'Binding Location' setting.



IMPORTANT

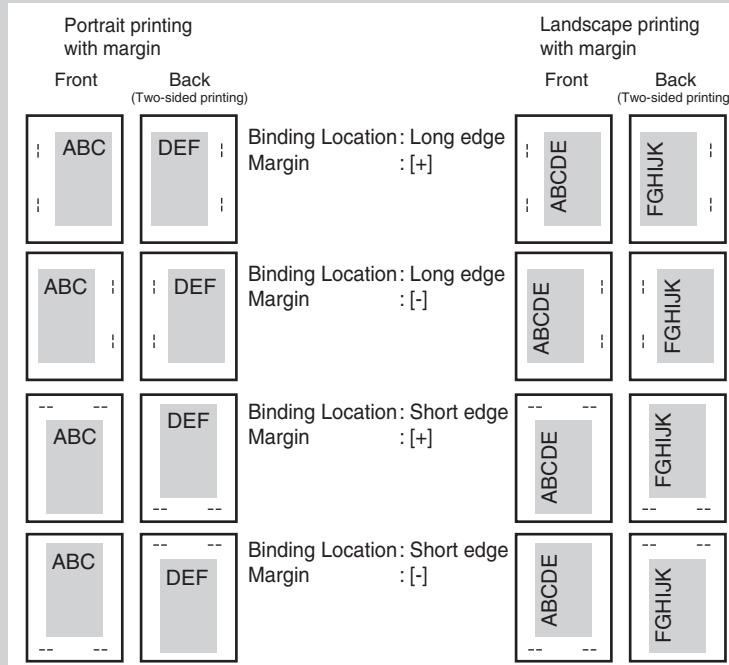
If this setting moves the image outside the printable area, part of the image may be cut off.

**NOTE**

- If this setting is used in combination with 'Offset Short Edge/Offset Long Edge', the values of the two settings are added together.
- Pressing [▲] increases the setting value by 0.01" (0.5 mm) each time the key is pressed. Pressing [▼] decreases the value by 0.01" (0.5 mm) each time. Holding down either [▲] or [▼] continuously speeds up the value alteration.

Binding Location and Margin Settings

Refer to the figures below to set binding location and margins.



Set the paper orientation in the application you are using.

■ Offset Short Edge/Offset Long Edge (Front)

-2.00 to +2.00 inches (in increments of 0.01 inches); 0.00* inches

This setting enables you to set the offset position. The settings can be set from -2.00" (-50.0 mm) through +2.00" (+50.0 mm) in increments of 0.01" (0.5 mm).

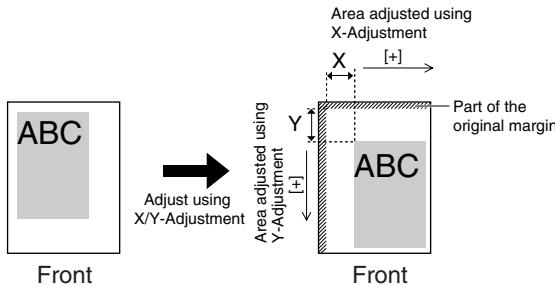
The print position on the front page is adjusted in the vertical or horizontal direction to the value specified in the setting value.

To adjust the print position on the back page, set 'Offset Short Edge/Offset Long Edge (Back)' (the next setting).

You can increase or decrease the setting in increments of 0.01" (0.5 mm) to adjust the print position, as described below.

Offset Short Edge (Front): Increasing the setting value moves the image in the rightward X direction on the paper. Decreasing the setting value moves the image in the leftward X direction on the paper.

Offset Long Edge (Front): Increasing the setting value moves the image in the downward Y direction on the paper. Decreasing the setting value moves the image in the upward Y direction on the paper.



IMPORTANT

Please note that if the print position is adjusted to place print data outside the printable area, the portion outside the printable area is not printed.



NOTE

- If this setting is used in combination with 'Margin', the values of the two settings are added together.
- Pressing [▲] increases the setting value by 0.01" (0.5 mm) each time the key is pressed. Pressing [▼] decreases the value by 0.01" (0.5 mm) each time. Holding down either [▲] or [▼] continuously speeds up the value alteration.

■ Offset Short Edge/Offset Long Edge (Back)

-2.00 to +2.00 inches (in increments of 0.01 inches); 0.00* inches

This setting enables you to set the offset position. The settings can be set from -2.00" (-50.0 mm) through +2.00" (+50.0 mm) in increments of 0.01" (0.5 mm).

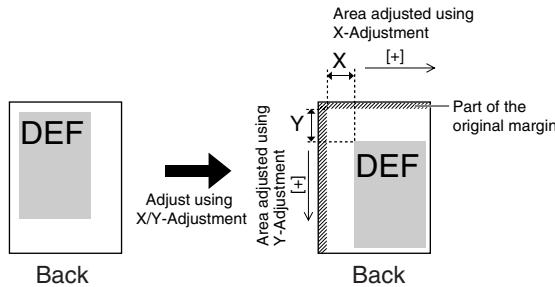
The print position on the back page is adjusted in the vertical or horizontal direction to the value specified in the setting value.

To adjust the print position on the front page, set 'Offset Short Edge/Offset Long Edge (Front)' (the previous setting).

You can increase or decrease the setting in increments of 0.01" (0.5 mm) to adjust the print position, as described below.

Offset Short Edge (Back): Increasing the setting value moves the image in the rightward X direction on the paper. Decreasing the setting value moves the image in the leftward X direction on the paper.

Offset Long Edge (Back): Increasing the setting value moves the image in the downward Y direction on the paper. Decreasing the setting value moves the image in the upward Y direction on the paper.



IMPORTANT

Please note that if the print position is adjusted to place print data outside the printable area, the portion outside the printable area is not printed.



NOTE

- If this setting is used in combination with 'Margin', the values of the two settings are added together.
- Pressing [▲] increases the setting value by 0.01" (0.5 mm) each time the key is pressed. Pressing [▼] decreases the value by 0.01" (0.5 mm) each time. Holding down either [▲] or [▼] continuously speeds up the value alteration.

Auto Continue

On, Off*

This setting enables you to automatically clear an error and continue printing when an error occurs (Error skip).

If [On] is selected, error skips are performed automatically.

If [Off] is selected, you must perform error skips from the touch panel display.



NOTE

- To perform an error skip, press [Print Status] on the System Monitor screen → select the job containing the error → press [Details] → [Error Skip].
- Error skip only temporarily clears an error, so the data may not print correctly.
- For information on types of errors that can be temporarily cleared with Auto Continue, see "When a Message Is Displayed," on p. 6-3.
- This setting is valid even if multiple errors have occurred.

Job Securing Time

1 hour*, 2 hours, 3 hours, 6 hours, 12 hours, and 24 hours

When a secured print job is sent to the machine, it is stored on the machine's hard disk, and a password must be entered before the job can be printed. This setting specifies how long the job will be stored before it is automatically canceled.



NOTE

- Even if the time period specified with this setting has not elapsed, the print job data is deleted if the main power to the machine is switched OFF.
- The password is set from the printer driver.

Timeout

Timeout (5 to 300 seconds), Off; 15* seconds

When the 'Personality' is set to [Auto], the machine detects the control commands and starts printing in the appropriate mode. After all the data has been received and the end of the data is detected, the print mode stops. This processing of print data is called a job.

If the data for a job does not end, the machine does not start the next job even if it receives other print commands. In cases like this, use the 'Timeout' setting to force jobs to finish if no data is received during the set period of time.

If Timeout is enabled, jobs can finish automatically. For example, if print data still remains in the machine because a form feed command cannot be processed, the paper can be fed automatically.

If Timeout is [Off], jobs will not end automatically.



IMPORTANT

- If this function is set so that a job will timeout, the machine may end a print job before all the data has been received if it takes a long time for the PC to send the data. If this occurs, adjust the length of the 'Timeout' setting.
- If [Off] is selected, you will not be able to make copies until print jobs that use the Staple and Punch settings have been completed.
- If you send data from a printer driver that is not compatible with the machine, and the end of job command is not received within the time set in this setting, the machine cancels the job, which may cause the data to be printed incorrectly.



NOTE

When a job is being processed, the Processing/Data indicator on the control panel blinks green.

Print After Completing RIP

On, Off*

This setting sets whether to use the Print After Completing RIP function.

RIP (Raster Image Processor) is used for advanced graphical representation.

If Print After Completing RIP is enabled, the first page is printed after all the pages in the job have been processed.

Although it may take longer to print the first page, the remaining pages in the job will be printed more quickly. This is useful when several people are using the machine or when using another function, such as the Copy function, because the printing time for a print job is reduced.



IMPORTANT

Please note that the memory of the machine can store up to 20,000 pages. When you send a secured document to be stored in the memory to be printed at a later time, and the memory is full (already reached its maximum capacity), your document will not be stored. The memory may be full because the machine is being used for other functions (such as storing a document in an inbox or storing a form) or other jobs, which use memory space.

Finishing

Off*, Collate, Rotate+Collate, Rotate+Group, Offset+Collate, Offset+Group, Staple+Collate, and Staple+Group

Copies to Offset (Offset+Collate):
1 to 9999; 1*

Staple Position (Staple+Collate):
Corner (Upper-L), Double (Top), Corner (Upper-R), Double (Right),
Corner (Lower-R), Double (Bottom), Corner (Lower-L), and Double (Left)

Staple Position (Staple+Group):
Grp Upp L-Corner, Grp Double(Top), Grp Upp R-Corner, Grp Double(R),
Grp Lwr R-Corner, Grp Double(Btm), Grp Lwr L-Corner, and Grp Double(L)

Some of the above options require specific optional equipment and may not be available unless appropriate optional equipment is installed.

✓: Available
✗: Unavailable

	No Options	Finisher-AD1, Saddle Finisher-AD2
Collate	✓	✓
Rotate+Collate	✓	✗
Rotate+Group	✓	✗
Offset+Collate	✗	✓
Offset+Group	✗	✓
Staple+Collate	✗	✓
Staple+Group	✗	✓

You can choose from several features when collating printed matter.

Off

This setting prints all copies of the same page before printing the next page.

Collate

This setting prints all pages of each copy before printing the next copy.

Rotate+Collate

This setting prints all pages of each copy (collating), and rotates every other complete copy 90 degrees to indicate where each copy starts.

Rotate+Group

This setting prints all copies of the same page before printing the next page. It rotates every other complete set of pages to indicate where each new set starts.

Offset+Collate

This setting prints all pages of each copy (collating). It offsets every other complete copy by the number specified with this setting to indicate where each copy starts.

Offset+Group

This setting prints all copies of the same page before printing the next page. It offsets every other complete set of pages to indicate where each new set starts.

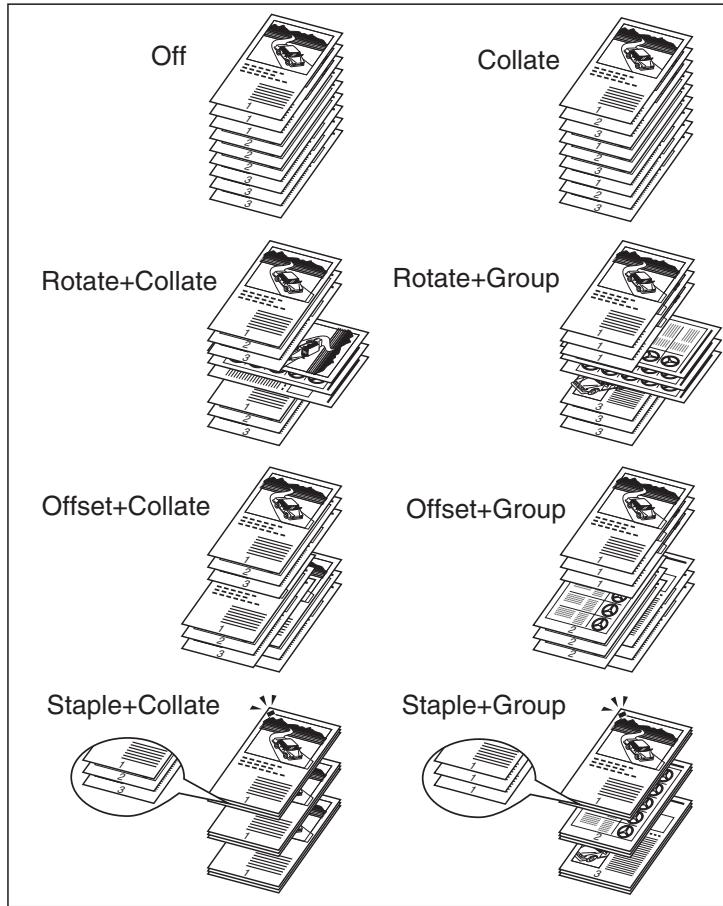
Staple+Collate

This setting prints all pages of each copy (collating) and prepares them for stapling according to the option selected for [Staple+Collate].

Staple+Group

This setting prints all copies of the same page before printing the next page, and prepares them for stapling according to the option selected for [Staple+Group].

Examples of each Finishing option when printing three copies of a three page document:

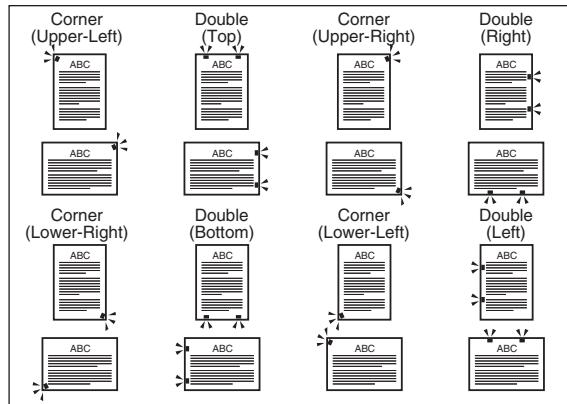


IMPORTANT

Please note that the memory of the machine can store up to 20,000 pages. When you send a secured document to be stored in the memory to be printed at a later time, and the memory is full (already reached its maximum capacity), your document will not be stored. The memory may be full because the machine is being used for other functions (such as storing a document in an inbox or storing a form) or other jobs, which use memory space.

NOTE

- [Rotate+Collate] and [Rotate+Group] are available if the paper size is LTR, LTRR, A4, A4R, JIS-B5, or JIS-B5R.
- If [Rotate+Collate] or [Rotate+Group] is selected, part of the print image may be cut off when the image is rotated. You need to load the same size paper as the original in the paper drawers in both landscape and portrait positions. If you do not, all the sheets will be printed in the orientation that the loaded paper is in.
- [Offset+Collate] and [Offset+Group] are available if the paper size is 11" x 17", LGL, LTR, LTRR, EXEC, A3, JIS-B4, A4, A4R, or JIS-B5.
- When you select [Staple+Collate] or [Staple+Group], you can select the stapling position.



- When you are stapling paper in landscape orientation, the image orientation and the staple position may not match.
- [Staple+Collate] and [Staple+Group] are available for selection if the paper size is 11" x 17", LGL, LTR, LTRR, EXEC, A3, JIS-B4, A4, A4R, or JIS-B5. Available staple locations depend on paper size and image orientation, as shown.

✓ : Available
✗ : Unavailable

Staple Position Paper Size	Corner (Upper-Left)	Double (Top)	Corner (Upper-Right)	Double (Right)	Corner (Lower-Right)	Double (Bottom)	Corner (Lower-Left)	Double (Left)	Capacity (Sheets)
11" x 17"	✓	✓	✓	✓	✓	✓	✓	✓	50
LGL	✓	✓	✓	✓	✓	✓	✓	✓	50
LTR	✓	✓	✓	✓	✓	✓	✓	✓	100
LTRR	✓	✓	✓*	✓	✓	✓	✓*	✓	50
A3	✓	✓	✓	✓	✓	✓	✓	✓	50
JIS-B4	✓	✓	✓	✓	✓	✓	✓	✓	50
A4	✓	✓	✓	✓	✓	✓	✓	✓	100
A4R	✓	✓	✓*	✓	✓	✓	✓*	✓	50
JIS-B5	✓	✓	✓	✓	✓	✓	✓	✓	100

* Will be stapled parallel to the edge of the paper.

- The maximum number of sheets that can be stapled is 50 for LGL, LTRR, 11" x 17", A3, JIS-B4, and A4R, 100 for LTR, A4, and JIS-B5. If the number of sheets is greater than the limit, they will not be stapled.
- Make sure to select compatible settings when using Staple and Punch simultaneously. If conflicting settings are selected, such as the staple setting for the right side of the paper and the punch setting for the left, the machine will use neither Staple nor Punch.

Punch

Off*, Top, Bottom, Left, and Right

This setting enables you to specify the desired paper position for holes to be punched for binding (two or three holes).



NOTE

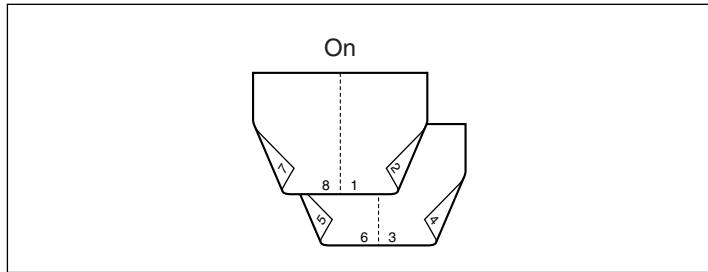
- This function is available for selection if the Finisher-AD1 or Saddle Finisher-AD2 is attached to the Puncher-Unit AT1.
- Acceptable paper sizes for this option are 11" x 17", LGL, LTR, LTRR, A3, and A4.
- Make sure to select compatible settings when using Staple and Punch simultaneously. If conflicting settings are selected, such as the staple setting for the right side of the paper and the punch setting for the left, the machine will use neither Staple nor Punch.
- The machine automatically detects the size of the paper and punches two or three holes accordingly. (A3, A4, 11" x 17", and Letter papers are punched with three holes.)
- Holes can only be punched in Plain Paper, Heavy Paper, Recycled Paper, Color Paper, Letterhead, Bond Paper, and Tab Paper.

Booklet

On, Off*

This setting enables you to prepare the printout for binding as a booklet. Booklet printing is a process whereby two pages of data are printed on the front and back of one page and it is folded in half to create a book.

If [On] is selected, the pages are bound on the left side.



IMPORTANT

- Please note that the memory of the machine can store up to 20,000 pages. When you send a secured document to be stored in the memory to be printed at a later time, and the memory is full (already reached its maximum capacity), your document will not be stored. The memory may be full because the machine is being used for other functions (such as storing a document in an inbox or storing a form) or other jobs, which use memory space.
- If the 'Finishing' settings are specified as [Rotate+Group], [Offset+Group], and [Staple+Group], then [Rotate+Collate], [Offset+Collate], and [Staple+Collate] are specified.



NOTE

- This function is available for selection if the image paper size is Letter, Statement, A4, A5, or JIS-B5. The data for these page sizes is printed on the following paper. (See the Help function on the printer driver.)

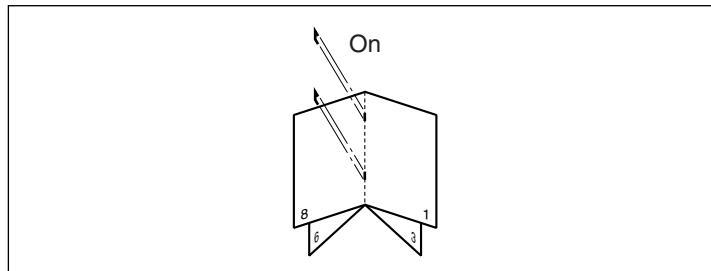
Page Size	Paper
Letter	11" x 17"
Statement	Letter-R
A4	A3
A5	A4R
JIS-B5	JIS-B4

- If the pages are not all the same size, this function will not work.
- The 'Margin' or 'Offset Short Edge/Offset Long Edge' settings is invalid if this function is set to [On].

Saddle Stitch

On, Off*

This setting enables you to bind a finished print job by stapling and folding the pages of a booklet in the center.



IMPORTANT

Please note that the memory of the machine can store up to 20,000 pages. When you send a secured document to be stored in the memory to be printed at a later time, and the memory is full (already reached its maximum capacity), your document will not be stored. The memory may be full because the machine is being used for other functions (such as storing a document in an inbox or storing a form) or other jobs, which use memory space.



NOTE

- This function can only be selected if the Saddle Finisher-AD2 is attached.
- This function is not available if 'Booklet' is set to [Off].
- If the print job contains only one sheet of paper, the paper will be folded but not stapled.
- The maximum number of sheets that can be saddle stitched is 20. If the number of sheets is greater than this, they will not be saddle stitched.
- The number of copies of a saddle stitched booklet that can be made at one time is limited as shown below:

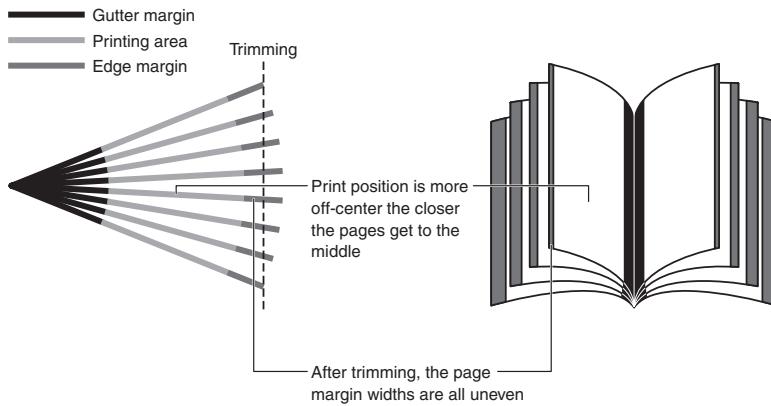
Number of sheets in each booklet	Max. number of copies that can be printed
1-20	30

Creep Correction

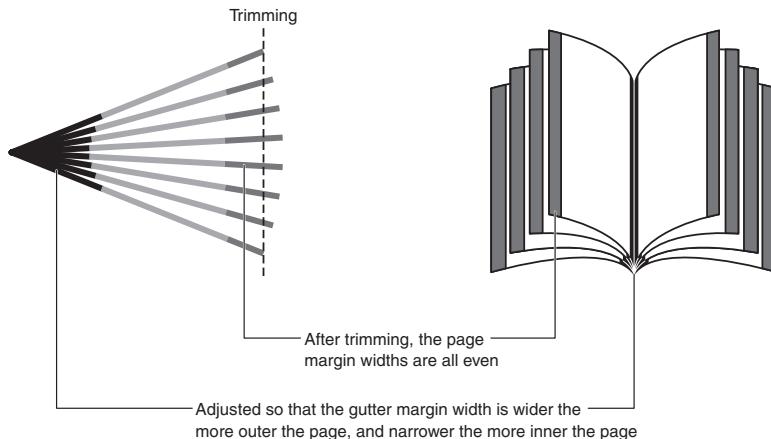
Off*, Auto, and Correction Width (0.000 to 0.392 inches (in increments of 0.001 inches); 0.000* inches)

This setting enables you to adjust the print position of each page when printing a booklet using saddle stitch.

When sheets of paper are folded in half to make a booklet, the edges of the paper protrude more the closer the pages are to the center of the booklet. Margin width at the edges is narrowed, and part of the printing may also be cut off (depending on the number of pages and paper thickness when the edges are trimmed to make them even). Using creep correction to adjust the margin of the gutter can correct such uneven printing (creep).



When [Off] is selected



When the gutter margins are adjusted with this setting

If [Auto] is selected, the gutter margins are automatically adjusted based on the number of pages and paper thickness.

If [Correction Width] is selected, the gutter widths are adjusted based on a value you enter which specifies the difference in how far the edge of the most inner page and the edge of the most outer page come when sheets of paper are folded in half to make the booklet.



NOTE

- This function is not available if 'Booklet' is set to [Off].
- Pressing [▲] increase the setting value by 0.001" (0.05 mm) each time the key is pressed. Pressing [▼] decreases the setting value by 0.001" (0.05 mm) each time. Holding down either [▲] or [▼] continuously speeds up the value alteration.
- If this setting is used in combination with the 'Offset Short Edge/Offset Long Edge' or 'Margin', the values of these three settings are added together.

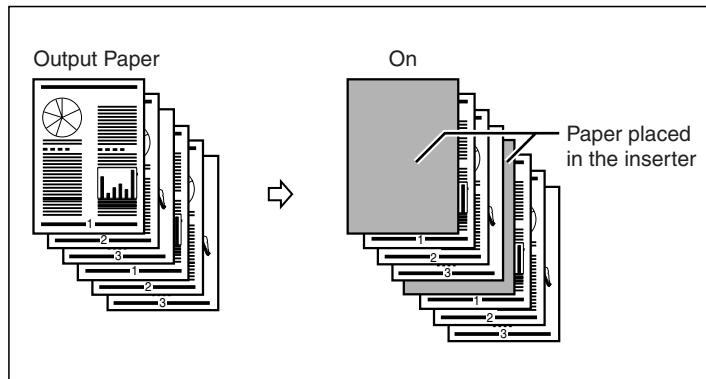
Use Cover Inserter

On, Off*

This setting enables you to specify whether to add a cover at the front of the printed output.

If [On] is selected, a cover is inserted automatically at the front of the printed output. If used in combination with Staple settings, it is a handy function for arranging documents.

The paper to be used as the cover should be placed in the inserter.



IMPORTANT

- Nothing will be printed on the paper used for the cover.
- You cannot use this function in combination with 'Transparency Interleaving'.
- This function cannot be used if the 'Finishing' is set to [Off], [Collate], [Rotate+Collate], [Rotate+Group], [Offset+Group], or [Staple+Group].



NOTE

- This function is available for selection if the Document Insertion/Folding Unit-F1 is attached to the Finisher-AD1 or Saddle Finisher-AD2.
- This function can be used in combination with [Staple+Collate], 'Punch', and 'Z-Fold'.
- You can place the following paper sizes and types in the inserter:
 - Paper sizes: 11" x 17", Legal, Letter, Letter-R, EXEC, A3, JIS-B4, A4, A4R, JIS-B5, or JIS-B5R
 - Paper types: Plain Paper, Recycled Paper, Color Paper, Letterhead, Heavy Paper, Tab Paper, or Bond Paper

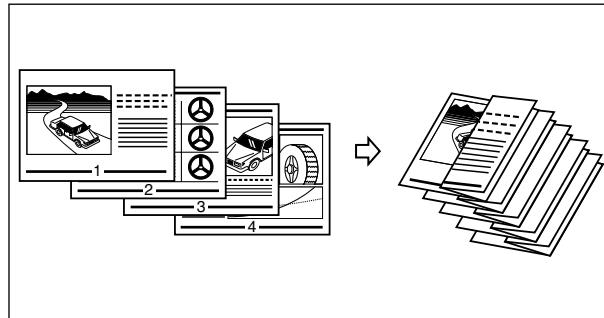
Fold Type

Off*, Z-Fold, and C-Fold

This setting selects whether the printouts should be Z-Folded or C-Folded.

[Z-Fold]

This setting enables you to specify that the printouts should be Z-folded.



IMPORTANT

- Paper with a Z-fold may be wrinkled depending on the type of paper and the environment used.
- You cannot use this setting in combination with 'Booklet', 'Saddle Stitch', [Rotate+Collate], or [Rotate+Group].



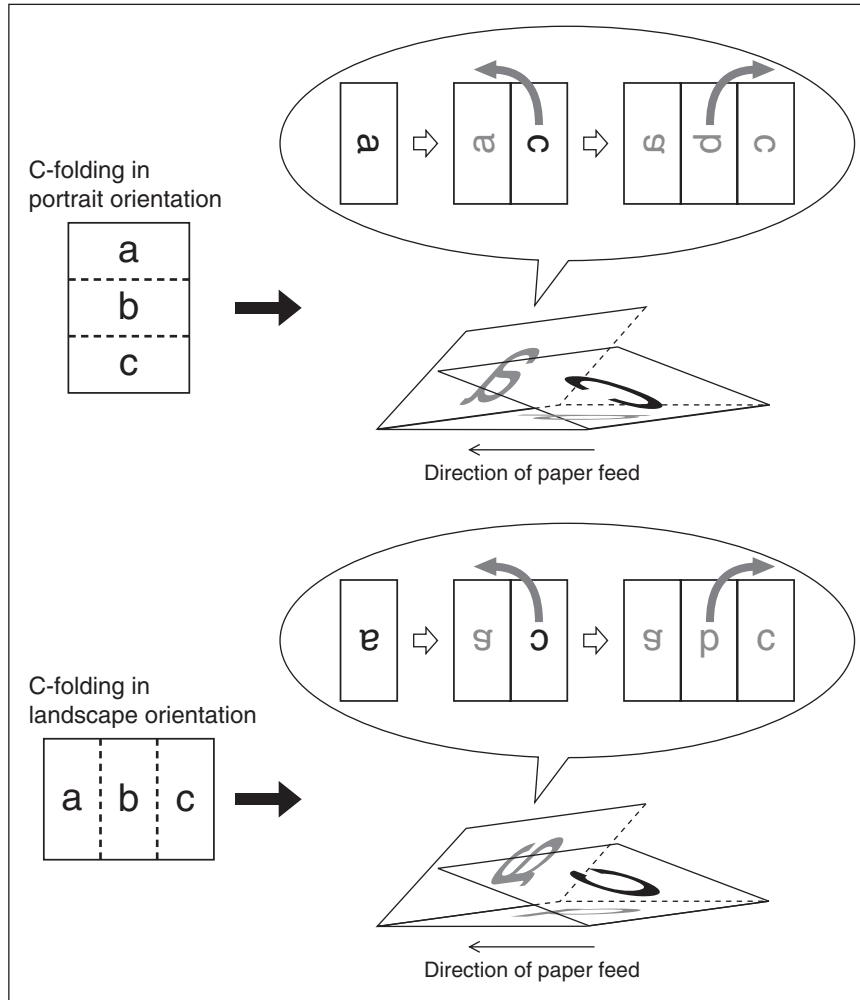
NOTE

- This function is available for selection if the Document Insertion/Folding Unit-F1 is attached to the Saddle Finisher-AD2.
- You can select Z-fold for the following paper sizes and types:
 - Paper sizes: 11" x 17", LGL, LTRR, A3, JIS-B4, or A4R
 - Paper types: Plain Paper, Recycled Paper, or Color Paper
- The maximum number of sheets that can be output to the paper trays is 40.
- If you use this setting in combination with [Staple+Collate] or [Staple+Group], the maximum number of sheets that can be stapled is 10. If the number of sheets is greater than this, they will be collated, but not stapled.
- You can adjust the width to fold paper with [Z-Fold Placement Adjustment] in Adjustment/Cleaning settings (from the Additional Functions screen). For details on this setting, see the *Reference Guide*.

[C-Fold]

This setting enables you to specify that the printouts should be C-folded.

This is a handy function for folding printouts to be inserted in an envelope.



 NOTE

- This menu is only displayed for selection when the Saddle Finisher-AD2 and the Document Insertion/Folding Unit-F1 are attached.
- C-folded paper might be wrinkled depending on the type of paper and the operating environment.
- You cannot use this function in combination with the following functions or operations.
 - Booklet
 - Saddle Stitch
 - Transparency Interleaving
 - [Rotate+Collate], [Rotate+Group], [Staple+Collate], or [Staple+Group] during Finishing
 - Punch
 - Creep Correction
 - Cover, Sheet Insertion, Job Separator, Tab Paper
- You can select C-Fold for the following paper sizes and types.
 - Paper sizes: Letter-R, A4R
 - Paper types: Plain Paper, Recycled Paper, Color Paper
- The maximum number of sheets that can be output to the paper trays is 40.
- Under normal conditions, the print surface when C-Folding is the front, however, by selecting [Face Up] in 'Face Up/Down', you can C-Fold with the print surface on the back (inside). When performing two-sided printing, the paper is C-Folded with both the front and back sides printed.
- You can adjust the width to fold paper with [C-Fold Placement Adjustment] in Adjustment/Cleaning settings (from the Additional Functions screen). You should specify a value for this setting to adjust the folding width of C-folded paper to match the size needed to fit in an envelope, or to adjust the positioning of an image on C-folded paper to be visible through a window envelope. For details on this setting, see the *Reference Guide*.

Transparency Interleaving

Off *, Blank, and Printed

If you are printing on transparencies, you can use this setting to output a sheet of paper after each transparency. The paper can be blank, or it can be a paper copy of the transparency.

If [Off] is selected, no sheets are interleaved with the transparencies.

If [Blank] is selected, a blank sheet of paper is inserted between each transparency.

If [Printed] is selected, a printed paper from the print job is inserted between each transparency.



NOTE

- This function is not available if 'Copy Set Numbering' is set to [On].
- When printing multiple copies, the [Offset+Group] for the 'Finishing' option cannot be used.
- If the 'Finishing' settings are specified as [Rotate+Group], [Offset+Group], and [Staple+Group], then [Rotate+Collate], [Offset+Collate], and [Staple+Collate] are specified.
- If [Printed] is selected, the paper printouts are included in the Prints count. However, if [Blank] is selected, they are not included in the Prints count.

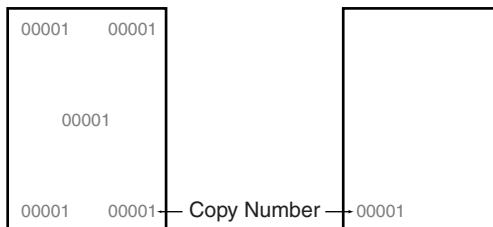
Copy Set Numbering

■ Copy Set Numbering

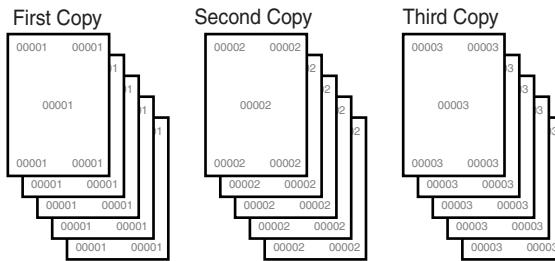
On, Off*

This setting enables you to print documents with a five digit serial number in the background on each copy.

Copy numbers are printed in the following methods:



When printing three copies of a five page document:



IMPORTANT

- If this setting is used in combination with [Forced Secure Watermark Mode (print)] in System Settings (from the Additional Functions screen), this setting is invalid. For details on the Forced Secure Watermark Mode function, see Chapter 6, "System Manager Settings," in the *Reference Guide*.
- If the 'Finishing' settings are specified as [Rotate+Group], [Offset+Group], and [Staple+Group], then [Rotate+Collate], [Offset+Collate], and [Staple+Collate] are specified.



NOTE

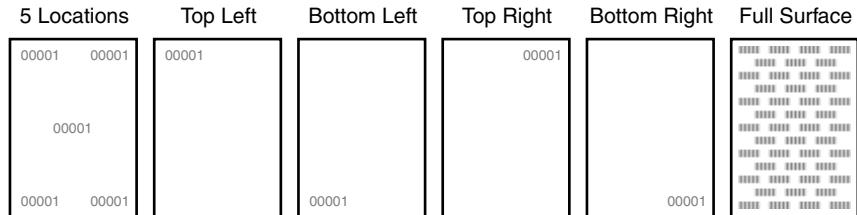
- If the copy number has fewer than five digits, the machine prints it as follows:
 - Example: If the copy number is 10
10 → 00010
- Copy numbers are not printed on blank pages (pages with no data).
- If this setting is used in combination with 'Margin' or 'Offset Short Edge/Offset Long Edge', part of the copy number may be cut off.
- This function is not available if 'Transparency Interleaving' is enabled.

- If the number of printed copies exceeds '99999', it returns to '00001'.

■ Print Position

5 Locations*, Top Left, Bottom Left, Top Right, Bottom Right, and Full Surface

This setting enables you to specify the position of the copy numbers to be printed. You can select to print numbers in all five positions, in each corner, or over the entire page.



NOTE

This function is only available if 'Copy Set Numbering' is set to [On].

■ Starting Number

1 to 9999; 1*

This setting enables you to specify the copy number to start numbering. The default is '1' (printed as 00001), but you can specify up to '9999' (printed as 09999).



NOTE

This function is only available if 'Copy Set Numbering' is set to [On].

■ Number Size

Small(12 point), Medium(24 point), and Large(36 point)*

This setting enables you to select the size of copy number from 'Small', 'Medium', and 'Large' ('12.0 pt.', '24.0 pt.', and '36.0 pt.').



NOTE

This function is only available if 'Copy Set Numbering' is set to [On].

■ Density

1 to 5; 3*

This setting enables you to adjust the number density and has 5 levels you can adjust, with level '3' (middle level) being the default setting. Selecting '1' makes the number lighter, and selecting '5' makes it darker.



NOTE

This function is only available if 'Copy Set Numbering' is set to [On].

■ Number Position Vertical/Number Position Horizontal

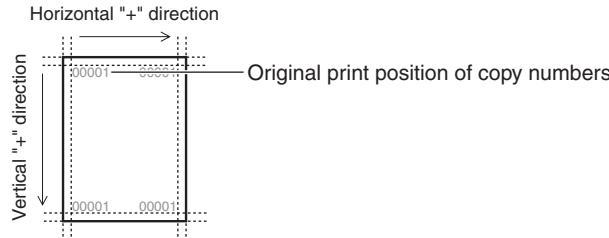
-5/16 to +5/16 inches (in increments of 1/16 inches); 0° inches

The position of the copy numbers specified with 'Print Position' can be finely adjusted by offsetting them in the horizontal or vertical directions. The adjustment can be made from -5/16" (-8 mm) through +5/16" (+8 mm) in increments of 1/16" (1 mm).

You can increase or decrease the setting value to adjust the print position of the copy numbers, as described below.

Number Position Vertical: Increasing the setting value moves the print position in the downward direction of the paper. Decreasing the setting value moves the print position in the upward direction of the paper.

Number Position Horizontal: Increasing the setting value moves the print position to the right. Decreasing the setting value moves the print position to the left.



IMPORTANT

Please note that if the print position is adjusted to place the digits of the copy numbers outside the printable area, the portion outside the printable area is not printed.



NOTE

- This setting is only effective for the print position of copy numbers. When adjusting print position (other than the copy numbers), perform the setting with 'Offset Short Edge/Offset Long Edge'. (See p. 3-19 to p. 3-20.)
- This function is only available if 'Copy Set Numbering' is set to [On].

Face Up/Down

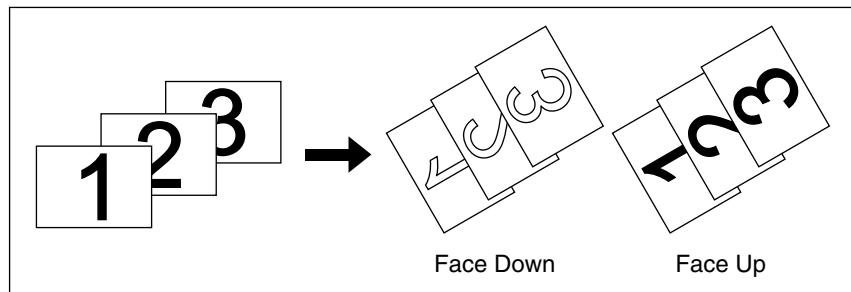
Face Down*, Face Up

This setting enables you to specify in which direction the printing surface is output onto the output tray.

If [Face Down] is selected, the printing surface (the front when 2-sided printing) is output downward.

If [Face Up] is selected, the printing surface (the front when 2-sided printing) is output upward.

When printing multiple page documents:



NOTE

You cannot use [Face Up] in combination with 'Punch', 'Z-Fold', 'Staple', 'Booklet', 'Saddle Stitch', and 'Transparency Interleaving'.

Personality

Auto*, PS, PCL, Imaging, and PDF1.5

This setting enables the machine to process data received from the host computer in the specified data format. Setting the 'Personality' to [Auto] makes the machine determine the type of data received from the host on a job-by-job basis. If you are printing from applications on a computer, we recommend that you use the [Auto] setting.



NOTE

- If you find that the machine does not correctly switch to the appropriate personality when 'Personality' is set to [Auto], change the setting manually to match the data you are sending from the host computer.
- This function is not available when printing in the UFR II mode.

Mode Priority

None*, PS, PCL, and PDF1.5

This setting determines which personality should be used if a job is received without a specified command language or Direct Print data. 'Mode Priority' is used when the 'Personality' is set to [Auto].

None

This does not specify a preferred personality. If a job is received without a specified command language or Direct Print data, the current personality is used. The default setting is [None].

PS

This assigns priority to the PS personality.

PCL

This assigns priority to the PCL personality.

PDF1.5

This assigns priority to the PDF1.5 mode.



NOTE

This function is not available when printing in the UFR II mode.

Initialize

The menu settings can be reset to the factory defaults by initializing the printer settings.

If you select Initialize, the confirmation message <Is it OK to initialize the settings?> is displayed. If you select [Yes], the settings are initialized. If you select [No], the settings are not initialized.



IMPORTANT

Do not turn OFF the machine while the settings are being initialized, as doing so may damage the machine's memory.



UFR II Settings

3



NOTE

These settings are applicable only when printing in the UFR II mode.

Halftones

Text: Tone, Gradation, Resolution*, and High Resolution

Graphics: Tone*, Gradation, Resolution, and High Resolution

Image: Tone*, Gradation, Resolution, and High Resolution

This setting specifies how to express halftones in black and white data.

Print data is expressed in dots. Fine gradations, edges, and shades are expressed by using dither patterns, which are groups of dots. This is called halftone processing.

For example, using a pattern that sharpens character and line edges, or a pattern that smoothes image and graph gradation, enables you to obtain the most suitable texture.

If [Tone] is selected, you can print with sharp gradation and well-balanced texture, contrasting light and shade, which is best for printing images.

If [Gradation] is selected, you can print with both smooth gradation and outlines, which is best to print graphs and graphics that use gradation.

If [Resolution] is selected, you can print text with distinct outlines, which is best to print text and thin lines.

If [High Resolution] is selected, finer printing can be done than with [Resolution], although toner stability is somewhat weaker. This is suited to printing small characters and fine lines, and outlines (such as from CAD data) sharply.

Paper Save

On*, Off

This setting specifies whether to output a blank page when software does not send print data between End Page codes.

If [On] is selected, a blank page is not output, thus saving paper.

If [Off] is selected, a blank page is output.

PCL Settings



NOTE

These settings are applicable only when printing in the PCL mode.

3

Paper Save

On, Off

This setting specifies whether to output a blank page when software does not send print data between End Page codes.

If [On] is selected, a blank page is not output, thus saving paper.

If [Off] is selected, a blank page is output.

Orientation

Portrait*, Landscape

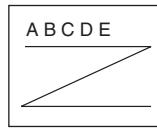
This setting enables you to set the paper orientation.

If [Portrait] is selected, the print image is printed in portrait orientation regardless of the orientation of the paper in the paper drawers.



Portrait

If [Landscape] is selected, the print image is printed in landscape orientation regardless of the orientation of the paper in the paper drawers.



Landscape

Font Number

0 to 91; 0*

You can set the default font typeface for this printer function using the corresponding font numbers. Valid font numbers are from 0 to 91.

Point Size

4.00 to 999.75 point (in increments of 0.25 points); 12.00* point

If the number selected in 'Font Number' is that of a proportionally spaced scalable font, this option appears in the PCL menu. It enables you to specify a point size for the default font. The point size can be adjusted in increments of 0.25 pts.



NOTE

This function is available if a value from '1' to '69' is specified for the 'Font Number' option.

Pitch

0.44 to 99.99 cpi (in increments of 0.01 cpi); 10.00* cpi

If the number selected in 'Font Number' is that of a fixed pitch scalable font, 'Pitch' appears in the PCL menu. It enables you to specify the pitch for the default font. The pitch can be adjusted in increments of 0.01 cpi (characters per inch).



NOTE

This function is available if a value of '0' or from '70' to '89' is specified for the 'Font Number' option.

Form Lines

5 to 128 lines; 60* lines

This setting enables you to specify the number of lines to be printed on a page. You can specify from 5 to 128 lines.

Symbol Set

DESKTOP, ISO4, ISO6, ISO11, ISO15, ISO17, ISO21, ISO60, ISO69, ISOL1, ISOL2, ISOL5, ISOL6, LEGAL, MATH8, MCTEXT, MSPUBL, PC775, PC8*, PC850, PC852, PC8DN, PC8TK, PC1004, PIFONT, PSMATH, PSTEXT, ROMAN8, VNINTL, VNMATH, VNUS, WIN30, WINBALT, WINL1, WINL2, and WINL5

This setting enables you to select the symbol set most suited to the needs of the host computer.

Custom Paper

On, Off*

This setting enables you to specify a custom paper size. If [On] is selected, you can enter a custom size.



NOTE

You can only select the custom paper size entered with settings from the printer driver.

Unit of Measure

Millimeters, Inches*

This setting enables you to specify the unit of measurement you would like to use to specify your custom paper size.

X dimension

5.82 to 24.80 inches; 17.00* inches

This setting enables you to specify the X dimension of the custom paper. The X dimension can be adjusted from 5.82" (148 mm) through 24.80" (630 mm) in increments of 0.01" (1 mm).

This function can be very useful when part of the printed image is cut off. Increasing this dimension may allow some of the missing text to be correctly printed. Make sure you do not increase the X dimension beyond the actual size of the paper you are using for printing.

Y dimension

3.89 to 11.69 inches; 11.69* inches

This setting enables you to specify the Y dimension of the custom paper. The Y dimension can be adjusted from 3.89" (99 mm) through 11.69" (297 mm) in increments of 0.01" (1 mm).

This function can be very useful when part of the printed image is cut off. Increasing this dimension may allow some of the missing text to be correctly printed. Make sure you do not increase the Y dimension beyond the actual size of the paper you are using for printing.

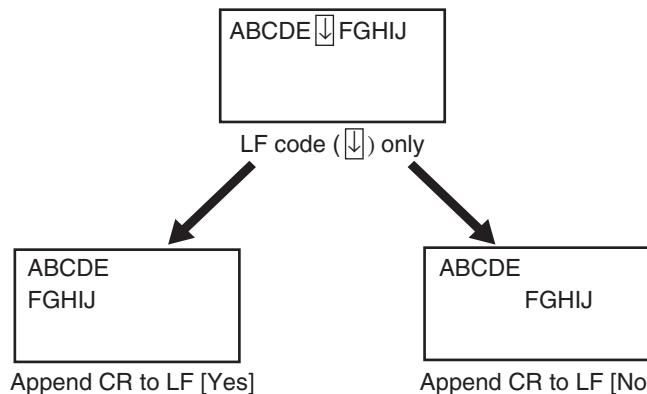
Append CR to LF

Yes, No*

This setting enables you to specify whether to append a carriage return (CR) when line feed code (LF) is received.

If [Yes] is selected, the print head moves to the beginning of the next line when line feed code is received.

If [No] is selected, the print head moves down to the next line when line feed code is received, and the margin does not change (such as to the beginning of the next line).



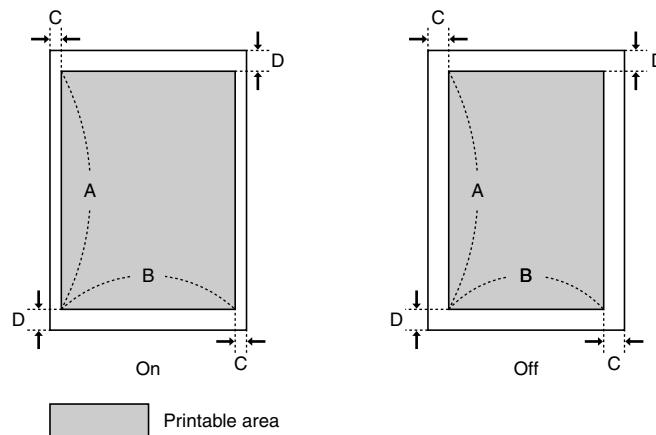
Enlarge A4 Print Width

On, Off*

This setting determines whether to expand the printable area of A4 size paper to that of Letter size in width.

If [On] is selected, all the area on a page 1/6" (4.23 mm) from the top and bottom edges and 1/20" (1.28 mm) from the left and right edges is available for printing on A4 paper. Only the width increases.

If [Off] is selected, all the area on a page 1/6" (4.23 mm) from the top, bottom, left, and right edges is available for printing on A4 paper.



Settings	On	Off
A: Length	11 1/3" (288.54 mm)	
B: Width	8" (203.22 mm)	7 7/8" (201.54 mm)
C: Left and right edges	11/80" (3.39 mm)	1/6" (4.23 mm)
D: Top and bottom edges	1/6" (4.23 mm)	



NOTE

- This setting is applicable for A4 paper only.
- This setting is applicable for portrait orientation only.

Halftones

Text: Tone, Gradation, Resolution*, and High Resolution

Graphics: Tone*, Gradation, Resolution, and High Resolution

Image: Tone*, Gradation, Resolution, and High Resolution

This setting specifies how to express halftones in black and white data.

Print data is expressed in dots. Fine gradations, edges, and shades are expressed by using dither patterns, which are groups of dots. This is called halftone processing.

For example, using a pattern that sharpens character and line edges, or a pattern that smoothens image and graph gradation, enables you to obtain the most suitable texture.

If [Tone] is selected, you can print with sharp gradation and well-balanced texture, contrasting light and shade, which is best for printing images.

If [Gradation] is selected, you can print with both smooth gradation and outlines, which is best to print graphs and graphics that use gradation.

If [Resolution] is selected, you can print text with distinct outlines, which is best to print text and thin lines.

If [High Resolution] is selected, finer printing can be done than with [Resolution], although toner stability is somewhat weaker. This is suited to printing small characters and fine lines, and outlines (such as from CAD data) sharply.

PS Settings

3

Printer Settings Menu

NOTE

These settings are applicable only when printing in the PS mode.

Job Timeout

0 to 3600 seconds; 0* seconds

This setting enables you to specify the amount of time before a job times out. If a job has not finished within the set time limit, the job automatically cancels.

Wait Timeout

0 to 3600 seconds; 300* seconds

This setting enables you to specify the amount of time the machine will wait for data sent from the host computer before it times out. If data is not received within the set time limit, the job automatically cancels.

Print PS Errors

On, Off*

This setting determines whether an error page is printed when an error is encountered.

Halftones

Text: Gradation, Resolution, and High Resolution*

Graphics: Gradation*, Resolution, and High Resolution

Image: Gradation*, Resolution, and High Resolution

This setting specifies how to express halftones in black and white data.

Print data is expressed in dots. Fine gradations, edges, and shades are expressed by using dither patterns, which are groups of dots. This is called halftone processing.

For example, using a pattern that sharpens character and line edges, or a pattern that smoothens image and graph gradation, enables you to obtain the most suitable texture.

If [Gradation] is selected, you can print with both smooth gradation and outlines, which is best to print graphs and graphics that use gradation.

If [Resolution] is selected, you can print text with distinct outlines, which is best to print text and thin lines.

If [High Resolution] is selected, finer printing can be done than with [Resolution], although toner stability is somewhat weaker. This is suited to printing small characters and fine lines, and outlines (such as from CAD data) sharply.

Imaging Settings

Settings on this menu specify how to print TIFF (Tagged Image File Format) and JPEG (Joint Photographic Experts Group) images that are sent directly to the machine using the Remote UI or command prompt.

NOTE

- These settings are applicable only when printing in the Imaging mode of Direct Print.
- For details on the Direct Print functions, see Chapter 5, "How to Use the Direct Print Function."
- The paper size used is determined by the paper size specified in the Settings Menu.

Image Orientation

Auto*, Vertical, and Horizontal

This setting specifies whether to print an image vertically or horizontally.

If [Auto] is selected, orientation is automatically adjusted by comparing length and width of the image. If the width is greater, the image is printed horizontally. If the length is greater, the image is printed vertically.

If [Vertical] is selected, the image is printed vertically regardless of its dimensions.

If [Horizontal] is selected, the image is printed horizontally regardless of its dimensions.

Zoom

Off*, Auto

This setting enlarges or reduces the size of an image to match the printable area of the paper size specified.

If [Auto] is selected, the size of the image is automatically enlarged or reduced to match the printable area of the specified paper size. If the size of the image is larger than the printable area, it is automatically reduced. If the size of the image is smaller than the printable area, it is automatically enlarged.



NOTE

- If there is blank space in the top, bottom, left, and right edges when using this setting, use the 'Print Position' setting in combination with this setting to adjust the print position.
- This setting uses the same ratio for both the length and width to enlarge or reduce the size of the image.
- Even if [Off] is selected, the image size is automatically reduced if it is larger than the printable area of the specified paper size.

Print Position

Auto*, Center, and Top Left

This setting specifies the print position for the image.

If [Auto] is selected, the image is printed in the specified position of the paper if the print position for the image is specified. If the print position is not specified, the image is printed in the center of the paper.

If [Center] is selected, the image is printed in the center of the paper regardless of whether the print position of the image is specified.

If [Top Left] is selected, the image is printed in the top left of the paper regardless of whether the print position of the image is specified.



NOTE

As the JPEG file format does not contain print position information, JPEG images are printed in the center of the paper even if [Auto] is selected.

Show Warnings

On*, Off

This setting specifies the action to be taken if an error associated with printing an image occurs on the machine.

If [On] is selected, an error message is displayed.

If [Off] is selected, an error message is not displayed.



NOTE

Depending on the error, an error message may be displayed even if [Off] is selected.

Enlarge Print Area

Off*, On

This setting specifies whether to enlarge the printable area on the paper.

If [Off] is selected, the printable area is 1/5" (5 mm) from the top, bottom, left and right edges of the specified paper size.

If [On] is selected, the printable area is enlarged to 0 mm from the top, bottom, left, and right edges of the paper.



NOTE

If [On] is selected, images on the edge of the paper may not print properly.

Halftones

Gradation*, Resolution, and High Resolution

This setting specifies how to express halftones in black and white data.

Print data is expressed in dots. Fine gradations, edges, and shades are expressed by using dither patterns, which are groups of dots. This is called halftone processing.

For example, using a pattern that sharpens character and line edges, or a pattern that smoothens image and graph gradation, enables you to obtain the most suitable texture.

If [Gradation] is selected, you can print with both smooth gradation and outlines, which is best to print graphs and graphics that use gradation.

If [Resolution] is selected, you can print text with distinct outlines, which is best to print text and thin lines.

If [High Resolution] is selected, finer printing can be done than with [Resolution], although toner stability is somewhat weaker. This is suited to printing small characters and fine lines, and outlines (such as from CAD data) sharply.

PDF1.5 Settings

Settings on this menu specify how to print PDF files that are sent directly to the machine using the Remote UI or command prompt.



NOTE

- These settings are applicable only when printing in the PDF 1.5 mode of Direct Print.
- For details on the Direct Print functions, see Chapter 5, "How to Use the Direct Print Function."

Enlarge/Reduce to Fit Size

On, Off*

This setting enlarges or reduces the original document to match the printable area of the paper size.

If [On] is selected, the document is reduced to a page size that fits the paper size if the page size specified in the PDF file is larger than the printable area of the paper size. Conversely, the original document is enlarged to a page size that fills the paper size if the page size specified in the PDF file is smaller than the printable area of the paper size.



NOTE

- If you specify [Auto] in 'Paper Size' using the Remote UI, this setting is not applied.
- The PDF file page size is enlarged or reduced with the same ratio for both the length and width.

Enlarge Print Area

On, Off*

This setting specifies whether to enlarge the printable area to the edge of the paper.

If [On] is selected, the printable area is enlarged to 0 mm from the top, bottom, left, and right edges of the paper. If the PDF file page aspect ratio is the same as the specified paper size, you can print without inserting any blank spaces on the edge of the paper.

If [Off] is selected, the printable area is reduced to 4 mm from the top, bottom, left, and right edges of the paper.



NOTE

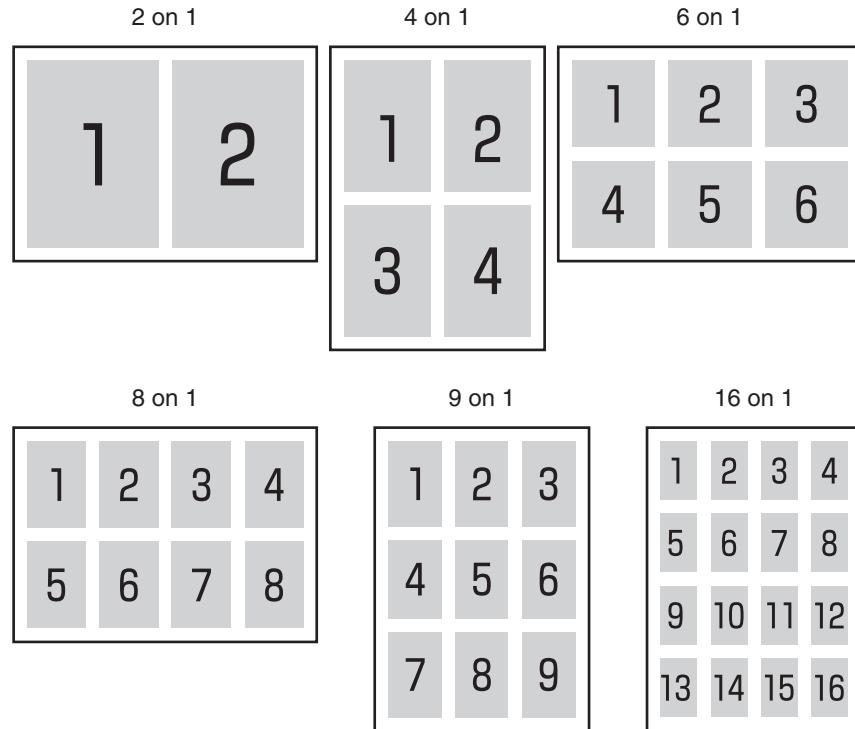
If [On] is selected, images on the edge of the paper may not print properly.

N-up Print

Off, 2 on 1, 4 on 1, 6 on 1, 8 on 1, 9 on 1, and 16 on 1

You can print several pages of PDF file data on 1 sheet of paper. Multiple pages are printed from (top) left to right.

Example: If 'Vertical' is specified in the PDF file Page Setup.



Halftones

Text: Gradation, Resolution, and High Resolution*

Graphics: Gradation*, Resolution, and High Resolution

Image: Gradation*, Resolution, and High Resolution

This setting specifies how to express halftones in black and white data.

Print data is expressed in dots. Fine gradations, edges, and shades are expressed by using dither patterns, which are groups of dots. This is called halftone processing.

For example, using a pattern that sharpens character and line edges, or a pattern that smoothens image and graph gradation, enables you to obtain the most suitable texture.

If [Gradation] is selected, you can print with both smooth gradation and outlines, which is best to print graphs and graphics that use gradation.

If [Resolution] is selected, you can print text with distinct outlines, which is best to print text and thin lines.

If [High Resolution] is selected, finer printing can be done than with [Resolution], although toner stability is somewhat weaker. This is suited to printing small characters and fine lines, and outlines (such as from CAD data) sharply.

Comment Print

On, Off, and Auto*

This setting specifies whether to print annotations in the PDF file.

If [On] is selected, all annotations are printed.

If [Off] is selected, no annotations are printed.

If [Auto] is selected, only the annotations specified for printing in the PDF file are printed.

Utility Menu

NOTE

Hard disk initialization is available only for the PCL or PS modes.

Initialize PCL Hard Disk

—

If trouble occurs when fonts or macros are downloaded from a personal computer to this machine using the download utility, initialize the PCL hard disk partition.

For details, see "If Trouble Occurs When Downloading Fonts or Macros from a Personal Computer," on p. 6-17.



IMPORTANT

- This function can only be selected if the System Management Mode is set.
- Never initialize the PCL hard disk when the machine is operating normally. Before initializing, be sure to read "If Trouble Occurs When Downloading Fonts or Macros from a Personal Computer," on p. 6-17.

Initialize PS Hard Disk

—

If trouble occurs when fonts or macros are downloaded from a personal computer to the machine using the download utility, initialize the PS hard disk partition.

For details, see "If Trouble Occurs When Downloading Fonts or Macros from a Personal Computer," on p. 6-17.



IMPORTANT

- This function can only be selected if the System Management Mode is set.
- Never initialize the PS hard disk when the machine is operating normally. Before initializing, be sure to read "If Trouble Occurs When Downloading Fonts or Macros from a Personal Computer," on p. 6-17.

Reset Printer

If you want to clear all print jobs in progress as well as data that has been received in memory, you must reset the printer function. Resetting the printer deletes print jobs in the machine's memory and the print data that has been received by all interfaces.



NOTE

- If the machine is being used in a network, please note that resetting the printer function may affect data being received from other users.
- If you reset the printer function, data may be deleted for print jobs that have already been received, or received while the printer function is being reset. However, in some cases, the data is not deleted from the machine's memory, and the print job may not print correctly. Canon recommends that you reset the printer to delete the data and print the job again.
- If you have downloaded fonts to the machine from a Macintosh computer, you need to restart the machine or reset the printer function from this menu, in order to enable the downloaded fonts when spool printing.

4

CHAPTER

Report Settings Menu

This chapter describes how to use the Report Settings menu to check the configuration of the print function or print a font list.

Overview of Report Settings	4-2
PCL Menu	4-3
Configuration Page	4-3
Font List	4-3
PS Menu	4-4
Configuration Page	4-4
Font List	4-4

Overview of Report Settings

The following table lists all settings of the Report Settings menu.

■ Printer Menu

Item	Settings	Applicable Page
PCL		
Configuration Page	—	p. 4-3
Font List	—	p. 4-3
PS		
Configuration Page	—	p. 4-4
Font List	—	p. 4-4



PCL Menu

Configuration Page

Details of RAM capacity, settings in the printer's menus, etc., are printed.

If you select Configuration Page, the confirmation message <Print the Configuration page?> is displayed. If you select [Yes], the configuration page is printed, and if you select [No], it is not printed.

Font List

ID numbers, names, and samples of fonts held by the printer are printed.

If you select Font List, the confirmation message <Print the Font list?> is displayed.

If you select [Yes], the font list is printed, and if you select [No], it is not printed.

Configuration Page

Details of RAM capacity, settings in the printer's menus, etc., are printed.

If you select Configuration Page, the confirmation message <Print the Configuration page?> is displayed. If you select [Yes], the configuration page is printed, and if you select [No], it is not printed.

Font List

Names and samples of fonts held by the printer are printed.

If you select Font List, the confirmation message <Print the Font list?> is displayed.

If you select [Yes], the font list is printed, and if you select [No], it is not printed.

How to Use the Direct Print Function

5

CHAPTER

This chapter describes Direct Printing features, system environments that you can use the Remote UI in, and how to use the Direct Print function.

Overview of Direct Printing	5-2
System Requirements	5-3
Printing Directly from the Remote UI	5-4
Printing PDF Files Directly	5-4
Printing PS/EPS Files Directly	5-17
Printing Image Files Directly	5-24
Printing Directly Using the Command Prompt	5-33



Overview of Direct Printing

Direct Print is a print function that enables you to send a file without using a printer driver from the host terminal to the machine, which recognizes the file. Therefore, you do not need to open the file to print it.

You can print a PDF file by specifying the location on your computer or URL from the Remote UI.

You can also use the Direct Print function by entering a command (LPR command) in the command prompt.

5

How to Use the Direct Print Function



IMPORTANT

- To make the Direct Print function available, first register the license, then turn the main power of the machine OFF and then ON again, and finally initializing the printer's settings to their default values. For more information, see "Reset Printer," on p. 3-62.
- With Direct Print, "Settings Menu," "PS Settings," "Imaging Settings," and "PDF1.5 Settings" are available from the touch panel display. For settings with these menus, see Chapter 3, "Printer Settings Menu."

System Requirements

The system requirements for the Remote UI are as follows:

■ Windows

- OS (Operating System)
 - Microsoft Windows 98
 - Microsoft Windows 2000 Professional
 - Microsoft Windows Me
 - Microsoft Windows XP
 - Microsoft Windows Vista
- Web Browser
 - Microsoft Internet Explorer 5.01 SP2, or later
 - Netscape Communicator 4.6, or later

■ Macintosh

- OS (Operating System)
Mac OS 8.6, or later
- Web Browser
Microsoft Internet Explorer 5.0, or later



IMPORTANT

If you are using Netscape 6.2, click [Edit] → select [Preferences] → click [Advanced] menu under Category → click [Cache] → set [Compare the page in the cache to the page on the network:] to [Once per session] or [Never]. If you do not make this setting, you may have problems accessing the machine using other web browsers.



NOTE

Apart from those mentioned above, no other software, such as a web server, is necessary. (There already is a web server inside the machine.)

Printing Directly from the Remote UI

You can print PDF files directly from the Remote UI, without having to open the files. For more information on the basic operations of the Remote UI, see the *Remote UI Guide*. To print a PDF file directly from the Remote UI, follow the instructions below.



NOTE

Even in cases where you cannot print a file or if the print output is out of alignment using the Direct Print function, you may still be able to open the file in an application and print it using the printer driver.

5

Printing PDF Files Directly

Follow the steps below for Direct Printing of a PDF file from the Remote UI.

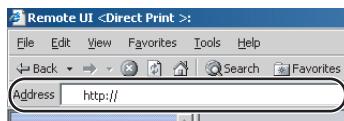


IMPORTANT

The Direct Print function for PDF files supports PDF version 1.5; some functions are not supported. PDF files that are version 1.6 or later are printed with only the specifications that are supported by version 1.5 (however, some functions are not supported).

1 Start your web browser → enter the appropriate URL into [Address] or [Location].

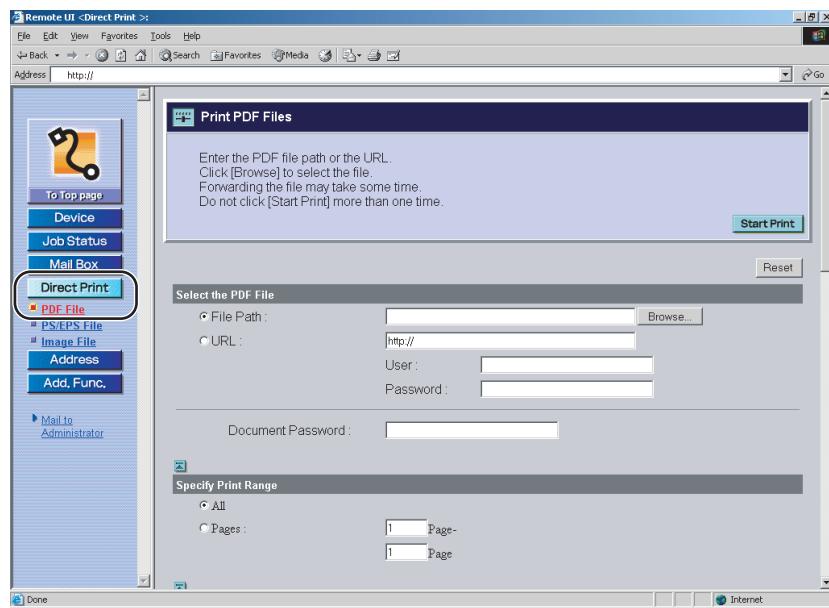
http://<the IP address of the device>/



NOTE

- If you do not know the appropriate URL, consult your system administrator.
- When the printer's host name is registered on the DNS server, you can enter it in place of the IP address in [Host Name/Domain Name].
Example : http://my_printer.xy_dept.company.com

- 2 Click [Direct Print] → select [PDF File] from the menu that appears under [Direct Print].

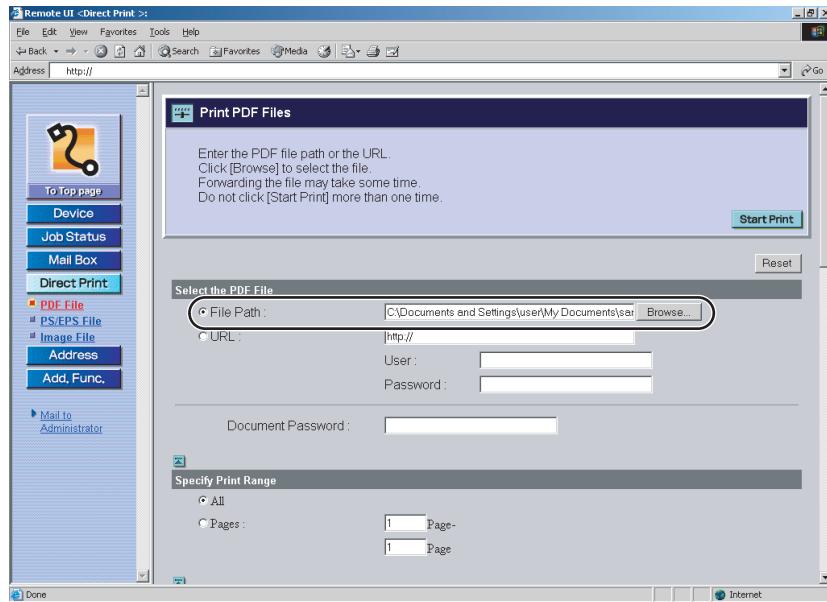


If Department ID Management is set, a dialog box prompting you to enter the Department ID and password appears. Enter the Department ID and password
→ click [OK].

3 Specify the location of the PDF file that you want to print.

● To Specify the [File Path]

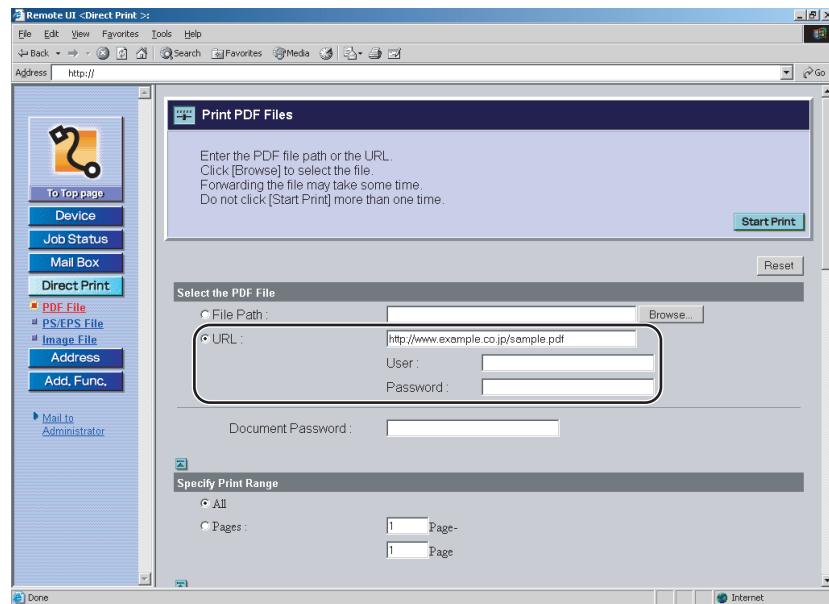
- Click [Browse] → click [Open] after selecting the file.



● To Specify the [URL]

- Enter the URL of the PDF file you want to print.

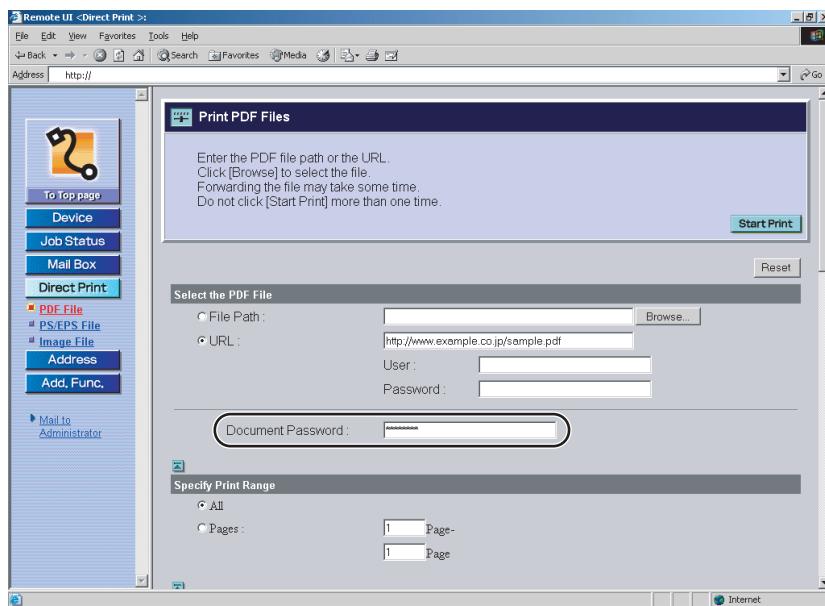
* For URLs that need user certification, enter the [User] and [Password].



NOTE

- If you specify a PDF file by entering its URL, the next print job cannot be processed until the PDF file is downloaded or until the browser disconnects from the web server.
- Only HTTP protocol is supported when you print a PDF file by entering its URL.

4 Enter the password in [Document Password] to open PDF files that have a password (user password) specified.



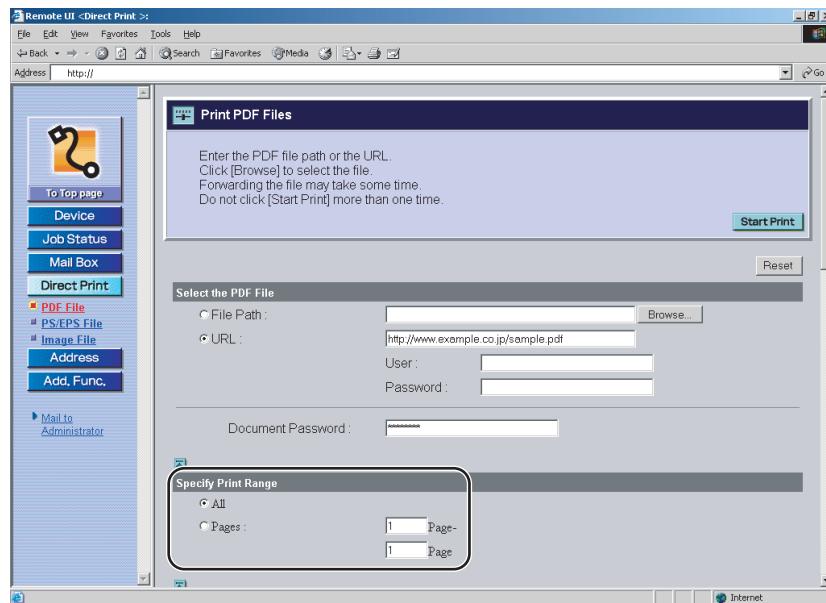
IMPORTANT

- Enter the master password in [Document Password] to print a password protected PDF file. If you try to print without entering the password, the error message <PDL PDF Data Decode Err> is displayed and printing is canceled.
- You do not need to enter a password if the only password specified is the password (master password) to change the security settings.

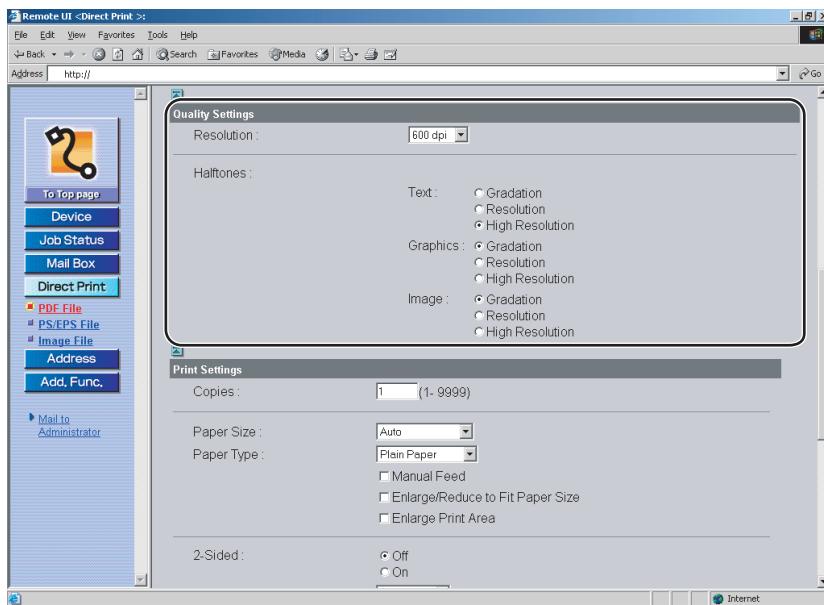
5 Specify the settings for [Specify Print Range].

Select [All] to print every page.

If you want to specify the pages to print by the page number, click [Pages] → enter the page numbers. Only the setting for the item whose radio button is selected will be effective.



6 Specify the settings under [Quality Settings] according to your preference.



Details of each menu are shown below.

[Resolution]

This setting specifies the resolution for printing. Resolution is expressed in units of dpi (dots per inch), indicating the number of dots in one inch. The higher the value, the greater the resolution, allowing finer expression of detail.

- If [600 dpi] is selected, you can perform printing suited to general documents and tables.
- If [1200 dpi] is selected, characters and lines can be finely printed.

* This function is not available on the imageRUNNER 5050.

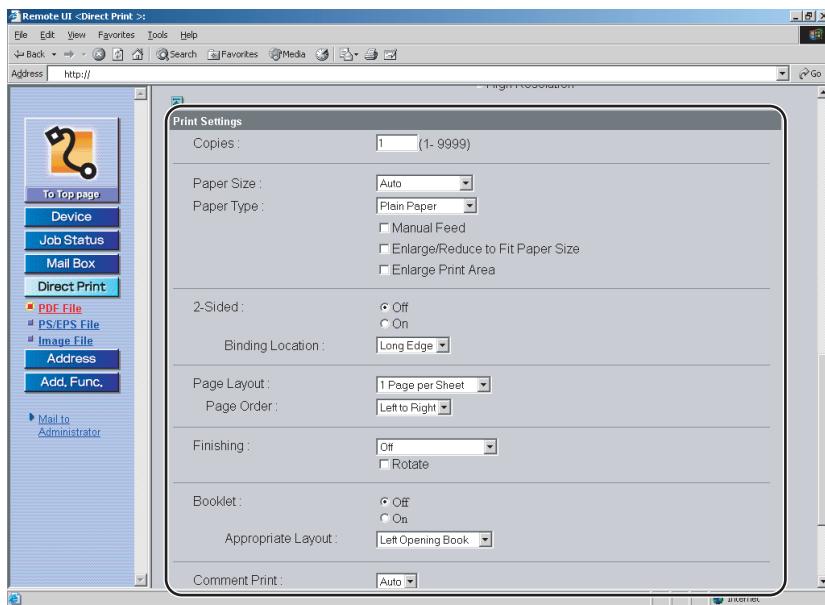
[Halftones]

This setting specifies how to express halftones in black and white data.

Print data is expressed in dots. Fine gradations, edges, and shades are expressed by using dither patterns, which are groups of dots. This is called halftone processing.

- If [Resolution] is selected, you can print text with distinct outlines, which is best to print text and thin lines.
- If [Gradation] is selected, you can print with both smooth gradation and outlines, which is best to print graphs and graphics that use gradation.
- If [High Resolution] is selected, finer printing can be done than with [Resolution], although toner stability is somewhat weaker. This is suited to printing small characters and fine lines, and outlines (such as from CAD data) sharply.

7 Specify the settings under [Print Settings] according to your preference.



Details of each menu are shown below.

[Copies] This setting enables you to specify the number of copies printed.

[Paper Size] This setting specifies the output paper size.

- If [Auto] is selected, the most appropriate paper source is selected according to the PDF file page size.
- If a setting other than [Auto] is selected, the file is printed so that the orientation of the long edge of the PDF file page size and the long edge of the selected paper matches.

 If the PDF file page size exceeds the largest or smallest size of the user defined paper, jobs are canceled. (They are not included in the Prints count.)

[Paper Type] This setting specifies the output paper type.

[Manual Feed] This setting enables you to fix the paper feed source to manual feed.

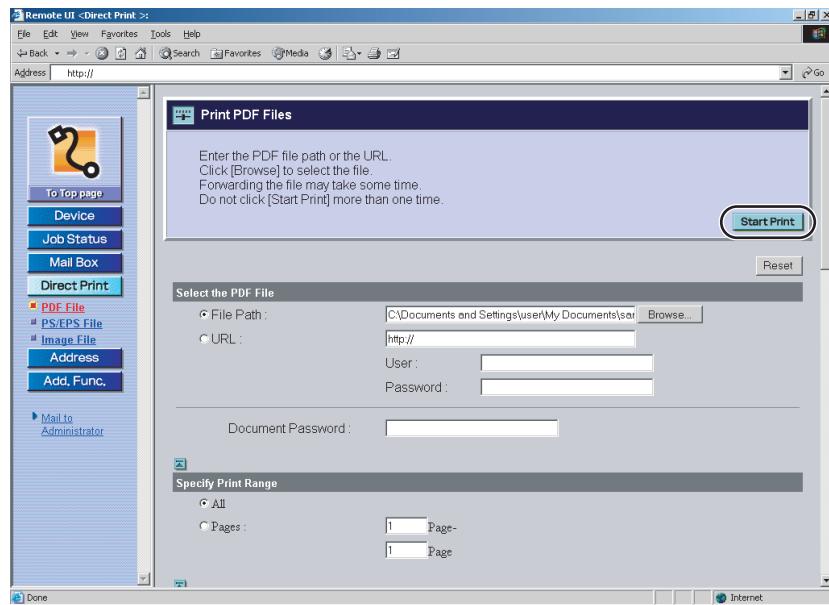
[Enlarge/Reduce to Fit Paper Size] If you select the checkbox, the selected page size is enlarged or reduced with the same ratio for both the length and width to print within the printable area. However this function is not available if [Auto] is selected in [Paper Size].

[Enlarge Print Area]	This setting specifies whether to enlarge the printable area to the edge of the paper.
[2-Sided]	This setting specifies whether to print on one-side or both sides of the paper.
[Binding Location]	This setting specifies whether to place the binding position along the long edge or the short edge of the paper. If the margin is specified on the touch panel display, the binding margin position is automatically adjusted on the front and back sides of the paper. For more information, see "Margin," on p. 3-17.
[Page Layout]	You can print multiple pages of PDF data on one page. * If you print multiple pages, select a setting other than [Auto] in 'Paper Size'.
[Page Order]	If you print multiple pages on one page in the [Page Layout] settings, you can specify the order that the pages are arranged onto the source paper.
[Finishing]*	<p>This setting specifies whether to print in pages or copies.</p> <ul style="list-style-type: none"> • If [Off] is selected, all copies of the same page are printed before the next page is printed. • If [Collate (Page order)] is selected, all pages of each copy are printed before the next copy is printed. • If [Group (Same pages)] is selected, all copies of the same page are printed before the next page is printed. • If [Staple] is selected, all pages of each copy (collating) are printed and stapled. <ul style="list-style-type: none"> • If the checkbox and [Collate (Page order)] are selected in [Finishing], all pages of each copy (collating) are printed, and every other complete copy is offset to indicate where each copy starts. • If the checkbox and [Group (Same pages)] are selected in [Finishing], all copies of the same page are printed before printing the next page. Every other complete set of pages is offset to indicate where each new set starts. <ul style="list-style-type: none"> • If the checkbox and [Collate (Page order)] are selected in [Finishing], all pages of each copy (collating) are printed, and rotates every other complete copy 90 degrees to indicate where each copy starts. • If the checkbox and [Group (Same pages)] are selected in [Finishing], all copies of the same page are printed before printing the next page. It rotates every other complete set of pages 90 degrees to indicate where each new set starts.
[Offset]*	
[Rotate]*	

[Hole Punch] [*]	This setting allows you to punch holes in the printed-paper. Select the checkbox and one of either [Left], [Right], [Top], or [Bottom]. If you select both the staple and punch settings, specify the punch and staple settings so the positions match. If the positions do not match (for example, the staple position is on the right and the punch position is on the left), both settings are void and the paper is printed without either stapling or punching.
[Staple Position] [*]	This setting specifies the staple position if [Staple] is selected in [Finishing]. <ul style="list-style-type: none">• If [Corner] is selected, you can select one of either [Top Left], [Top Right], [Bottom Left], or [Bottom Right].• If [Double] is selected, you can select one of either [Left], [Right], [Top], or [Bottom].
[Booklet] [*]	This setting enables you to prepare the printout for binding as a booklet. Booklet printing is a process whereby two pages of data are printed on the front and back of one page and it is folded in half to create a book.
[Comment Print]	This setting specifies whether to print annotations. <ul style="list-style-type: none">• If [Auto] is selected, only the annotations specified for printing in the PDF file are printed.• If [On] is selected, all annotations are printed.• If [Off] is selected, no annotations are printed.
[Store In User Inbox]	To store the data in a user box, select [Store In User Inbox] and then select the destination user box.
[Document Name after Storing]	To store the data in a user box, you can specify the document name. The document name cannot exceed 24 characters.

* The settings and settings values displayed on the Remote UI differ depending on which options are attached.

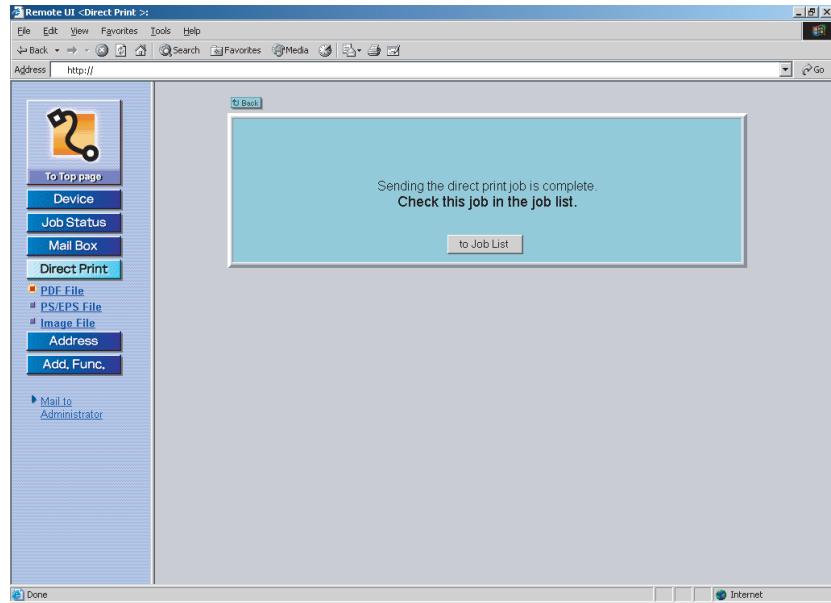
8 Click [Start Print].



Click [Reset] to return the settings to their default values.

Do not click [Start Print] continuously during file transfer. The file transfer process may take some time, but continuously clicking [Start Print] may cause the file to crash and not transfer.

After sending of a print job is completed, the screen changes and the following message appears.



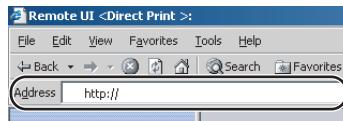
Click [to Job List] to verify sent print jobs that have already been sent.

Printing PS/EPS Files Directly

Follow the steps below for Direct Printing of a PS/EPS file from the Remote UI.

1 Start your web browser → enter the appropriate URL into [Address] or [Location].

http://<the IP address of the device>/

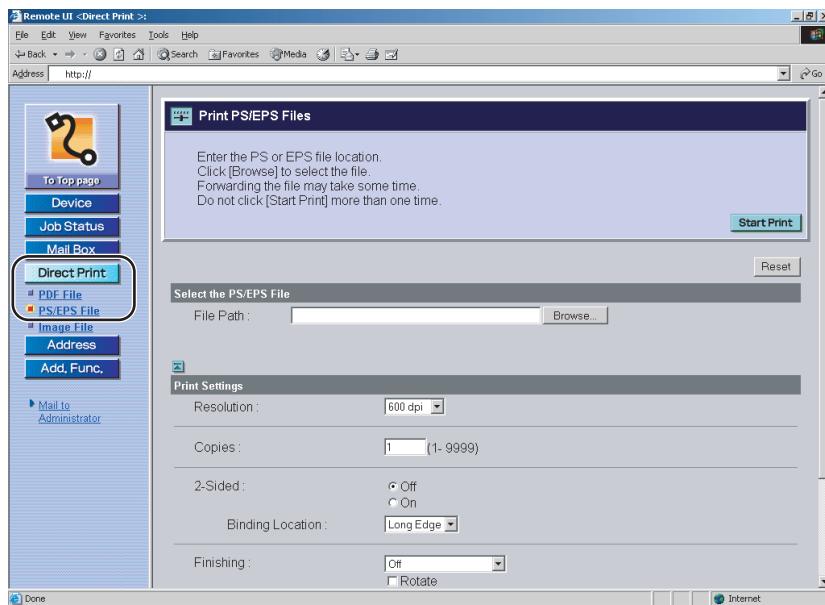


NOTE

- If you do not know the appropriate URL, consult your system administrator.
- When the printer's host name is registered on the DNS server, you can enter it in place of the IP address in [Host Name/Domain Name].

Example : http://my_printer.xy_dept.company.com

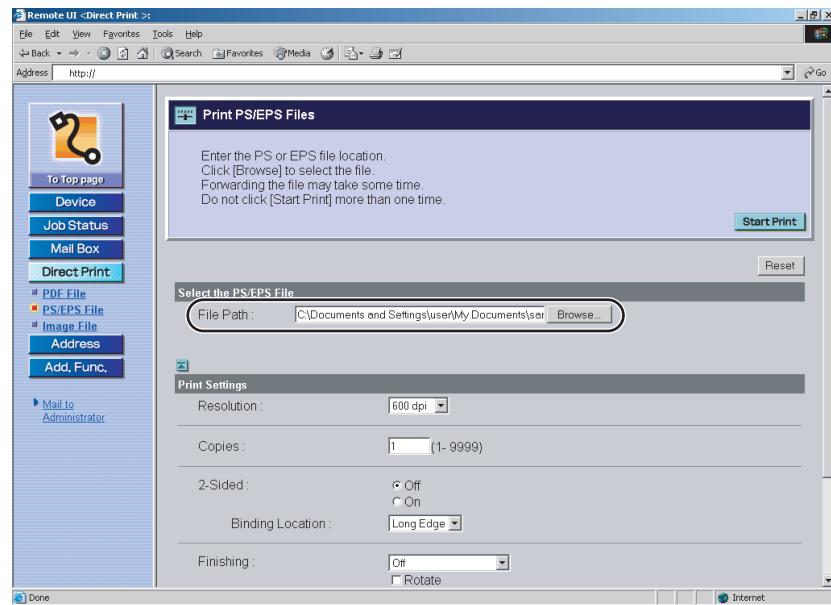
2 Click [Direct Print] → select [PS/EPS File] from the menu that appears under [Direct Print].



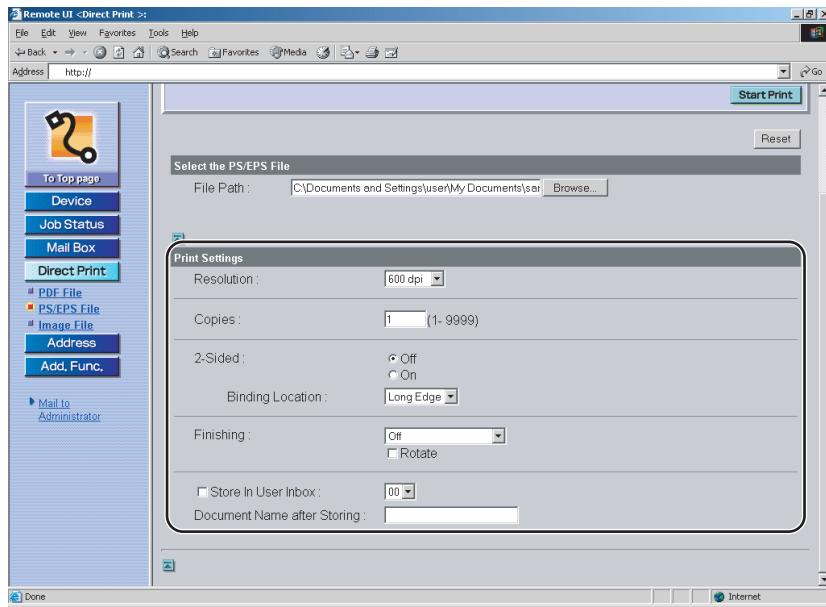
If Department ID Management is set, a dialog box prompting you to enter the Department ID and password appears. Enter the Department ID and password
→ click [OK].

3 Specify the location of the PS/EPS file that you want to print.

Click [Browse] → click [Open] after selecting the file.



4 Specify the settings under [Print Settings] according to your preference.



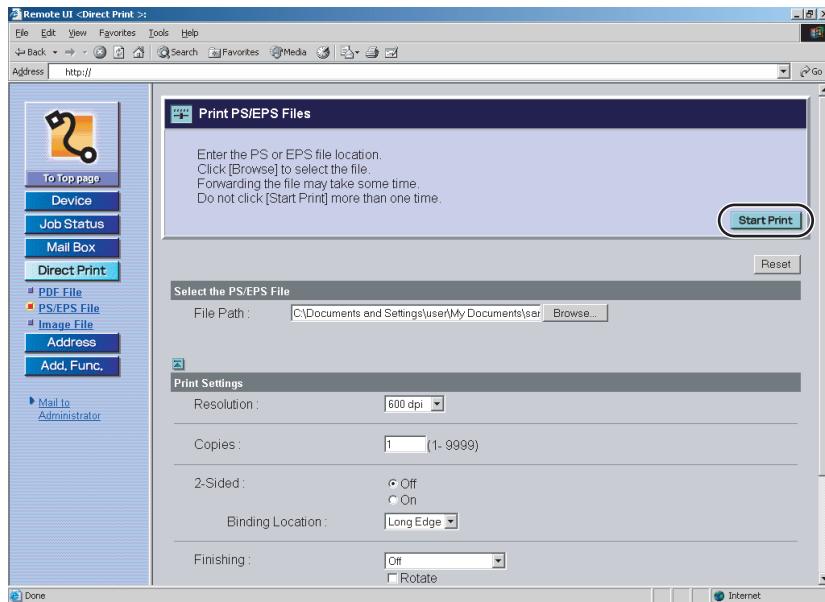
Details of each menu are shown below.

- | | |
|---------------------------|---|
| <p>[Resolution]</p> | <p>This setting specifies the resolution for printing. Resolution is expressed in units of dpi (dots per inch), indicating the number of dots in one inch. The higher the value, the greater the resolution, allowing finer expression of detail.</p> <ul style="list-style-type: none"> If [600 dpi] is selected, you can perform printing suited to general documents and tables. If [1200 dpi] is selected, characters and lines can be finely printed. <p>* This function is not available on the imageRUNNER 5050.</p> |
| <p>[Copies]</p> | <p>This setting enables you to specify the number of copies printed.</p> |
| <p>[2-Sided]</p> | <p>This setting specifies whether to print on one-side or both sides of the paper.</p> |
| <p>[Binding Location]</p> | <p>This setting specifies whether to place the binding position along the long edge or the short edge of the paper. If the margin is specified on the touch panel display, the binding margin position is automatically adjusted on the front and back sides of the paper.</p> <p>For more information, see "Margin," on p. 3-17.</p> |

[Finishing]*	This setting specifies whether to print in pages or copies. <ul style="list-style-type: none"> If [Off] is selected, all copies of the same page are printed before the next page is printed. If [Collate (Page order)] is selected, all pages of each copy are printed before the next copy is printed. If [Group (Same pages)] is selected, all copies of the same page are printed before the next page is printed. If [Staple] is selected, all pages of each copy (collating) are printed and stapled.
[Offset]*	<ul style="list-style-type: none"> If the checkbox and [Collate (Page order)] are selected in [Finishing], all pages of each copy (collating) are printed, and every other complete copy is offset to indicate where each copy starts. If the checkbox and [Group (Same pages)] are selected in [Finishing], all copies of the same page are printed before printing the next page. Every other complete set of pages is offset to indicate where each new set starts.
[Rotate]*	<ul style="list-style-type: none"> If the checkbox and [Collate (Page order)] are selected in [Finishing], all pages of each copy (collating) are printed, and rotates every other complete copy 90 degrees to indicate where each copy starts. If the checkbox and [Group (Same pages)] are selected in [Finishing], all copies of the same page are printed before printing the next page. It rotates every other complete set of pages 90 degrees to indicate where each new set starts.
[Hole Punch]*	<p>This setting allows you to punch holes in the printed-paper. Select the checkbox and one of either [Left], [Right], [Top], or [Bottom].</p> <p>If you select both the staple and punch settings, specify the punch and staple settings so the positions match. If the positions do not match (for example, the staple position is on the right and the punch position is on the left), both settings are void and the paper is printed without either stapling or punching.</p>
[Staple Position]*	<p>This setting specifies the staple position if [Staple] is selected in [Finishing].</p> <ul style="list-style-type: none"> If [Corner] is selected, you can select one of either [Top Left], [Top Right], [Bottom Left], or [Bottom Right]. If [Double] is selected, you can select one of either [Left], [Right], [Top], or [Bottom].
[Store In User Inbox]	To store the data in a user box, select [Store In User Inbox] and then select the destination user box.
[Document Name after Storing]	<p>To store the data in a user box, you can specify the document name.</p> <p>The document name cannot exceed 24 characters.</p>

* The settings and settings values displayed on the Remote UI differ depending on which options are attached.

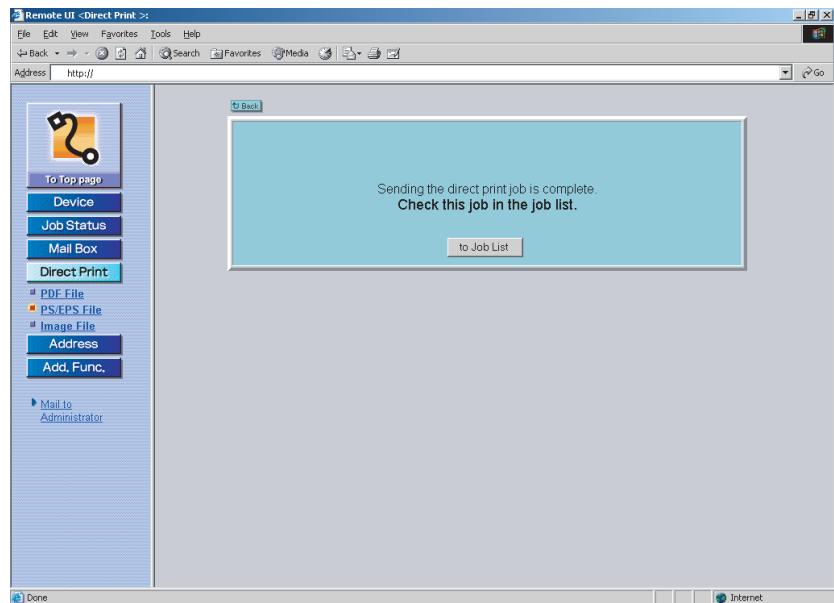
5 Click [Start Print].



Click [Reset] to return the settings to their default values.

Do not click [Start Print] continuously during file transfer. The file transfer process may take some time, but continuously clicking [Start Print] may cause the file to crash and not transfer.

After sending of a print job is completed, the screen changes and the following message appears.



Click [to Job List] to verify sent print jobs that have already been sent.

Printing Image Files Directly

Follow the steps below for Direct Printing of a TIFF/JPEG image file from the Remote UI.

Direct printing of image files for JPEG images supports specifications for ITU-T Recommendation T.81.

TIFF images support specifications for Adobe TIFF Revision 6.0.



NOTE

This machine supports the following encoding methods for JPEG images.

- Supported encoding
 - Baseline DCT encoding
- Non-supported encoding
 - Extended encoding
 - Lossless encoding
 - Hierarchical encoding

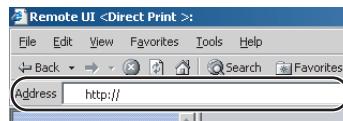
5

This machine supports the following encoding methods for TIFF images.

- Supported encoding
 - Uncompressed
 - ITU-T Recommendation T.4 one-dimensional encoding
 - ITU-T Recommendation T.4 two-dimensional encoding
 - ITU-T Recommendation T.6 basic facsimile encoding
 - ITU-T Recommendation T.81 JPEG (Basic DCT methods only)
 - PackBits (Apple Macintosh PackBits methods)
- Non-supported encoding
 - LZW
 - ITU-T Recommendation T.82JBIG (Bi-level black-and-white)
 - ITU-T Recommendation T.43JBIG (Color)
 - ITU-T Recommendation T.44MRC

1 Start your web browser → enter the appropriate URL into [Address] or [Location].

http://<the IP address of the device>/

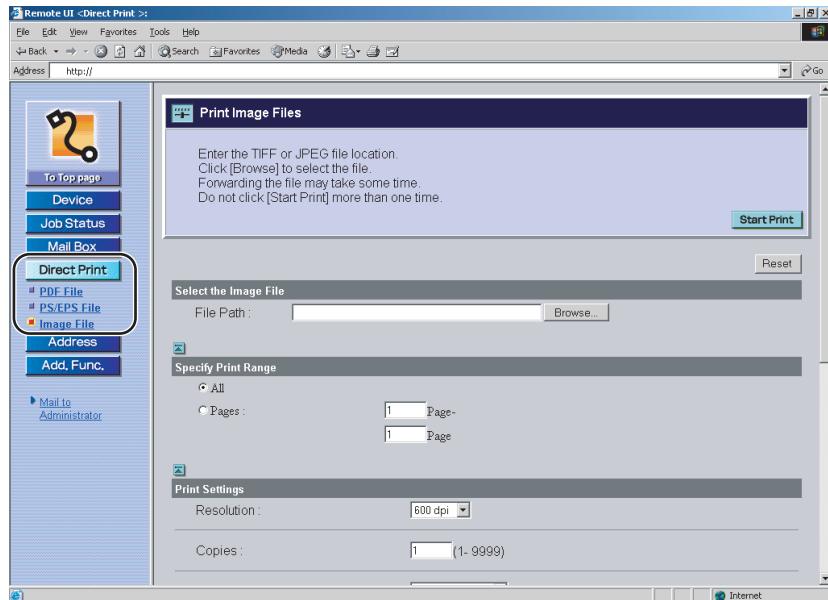


NOTE

- If you do not know the appropriate URL, consult your system administrator.
- When the printer's host name is registered on the DNS server, you can enter it in place of the IP address in [Host Name/Domain Name].

Example : http://my_printer.xy_dept.company.com

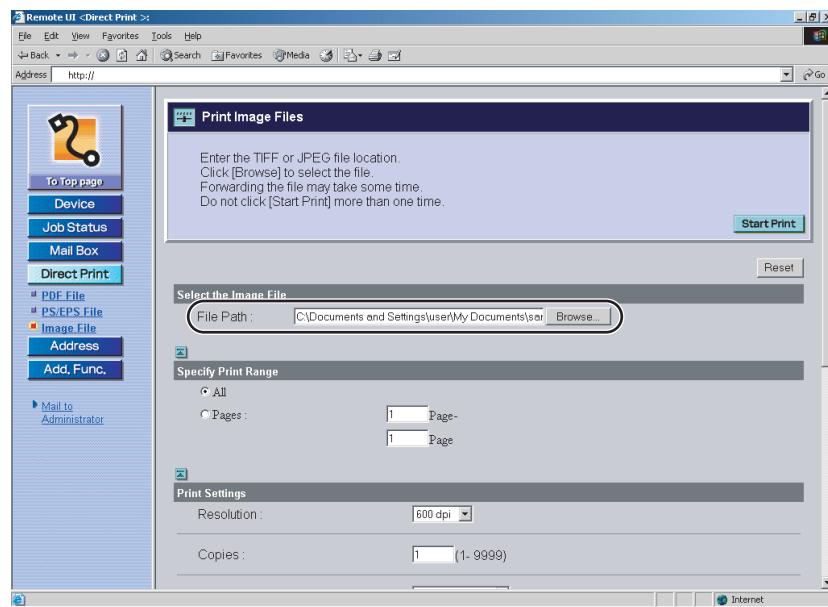
2 Click [Direct Print] → select [Image File] from the menu that appears under [Direct Print].



If Department ID Management is set, a dialog box prompting you to enter the Department ID and password appears. Enter the Department ID and password → click [OK].

3 Specify the location of the Image file that you want to print.

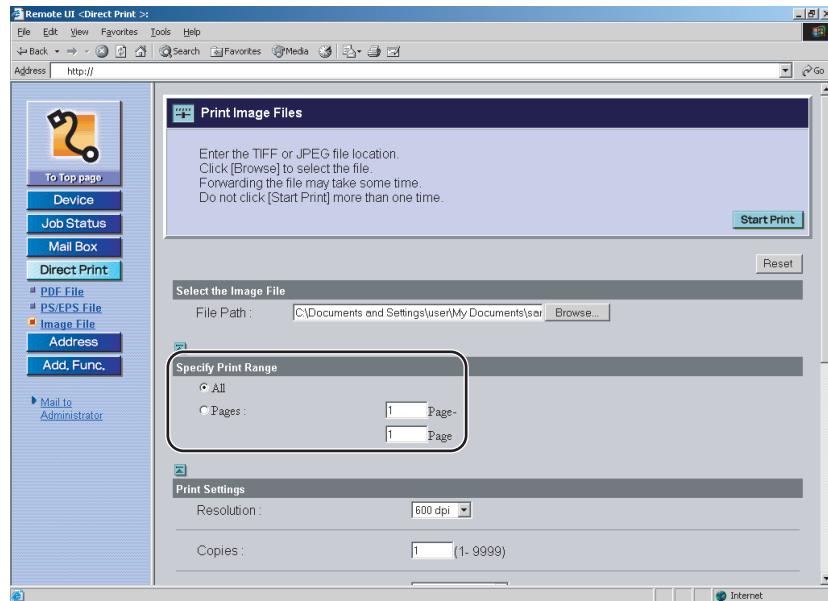
Click [Browse] → click [Open] after selecting the file.



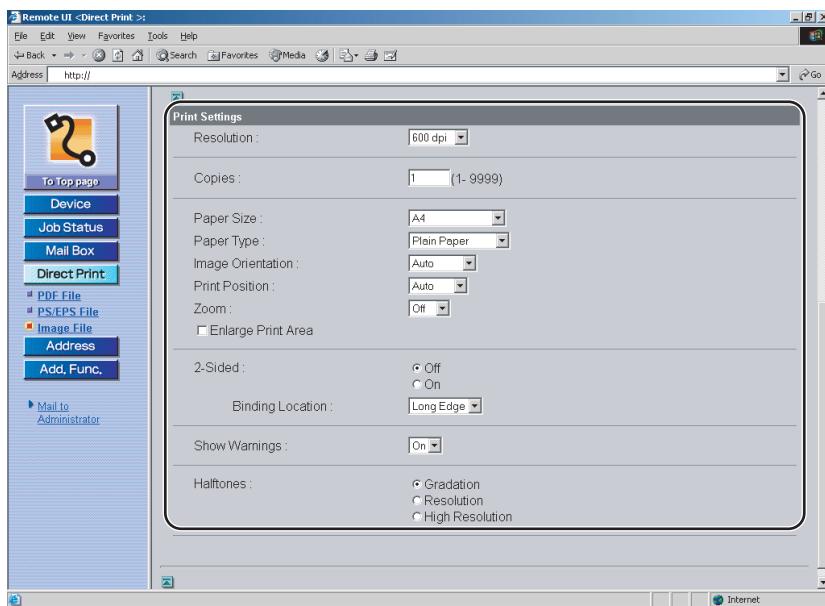
4 Specify the settings for [Specify Print Range].

Select [All] to print every page.

If you want to specify the pages to print by the page number, click [Pages] → enter the page numbers. Only the setting for the item whose radio button is selected will be effective.



5 Specify the settings under [Print Settings] according to your preference.



Details of each menu are shown below.

[Resolution]

This setting specifies the resolution for printing. Resolution is expressed in units of dpi (dots per inch), indicating the number of dots in one inch. The higher the value, the greater the resolution, allowing finer expression of detail.

- If [1200 dpi] is selected, the outline of characters and diagrams can be finely printed. This is suited to printing data containing fine lines and small characters.
- If [600 dpi] is selected, you can perform printing suited to general documents and tables.

* This function is not available on the imageRUNNER 5050.

[Copies]

This setting enables you to specify the number of copies printed.

[Paper Size]

This setting specifies the output paper size.

- If [Auto] is selected, the most appropriate paper source is selected according to the PDF file page size.
- If a setting other than [Auto] is selected, the file is printed so that the orientation of the long edge of the PDF file page size and the long edge of the selected paper matches.

If the PDF file page size exceeds the largest or smallest size of the user defined paper, jobs are canceled. (They are not included in the Prints count.)

[Paper Type]	This setting specifies the output paper type.
[Image Orientation]	<p>This setting specifies whether to print an image vertically or horizontally.</p> <ul style="list-style-type: none"> • If [Auto] is selected, orientation is automatically adjusted by comparing length and width of the image. If the width is greater, the image is printed horizontally. If the length is greater, the image is printed vertically. • If [Vertical] is selected, the image is printed vertically regardless of its dimensions. • If [Horizontal] is selected, the image is printed horizontally regardless of its dimensions.
[Print Position]	<p>This setting specifies the print position for the image.</p> <ul style="list-style-type: none"> • If [Auto] is selected, the image is printed in the specified position of the paper if the print position for the image is specified. If the print position is not specified, the image is printed in the center of the paper. • If [Center] is selected, the image is printed in the center of the paper regardless of whether the print position of the image is specified. • If [Top Left] is selected, the image is printed in the top left of the paper regardless of whether the print position of the image is specified.
[Zoom]	<p>This setting enlarges or reduces the size of an image to match the printable area of the paper size specified.</p> <p>If [Auto] is selected, the size of the image is automatically enlarged or reduced to match the printable area of the specified paper size. If the size of the image is larger than the printable area, it is automatically reduced. If the size of the image is smaller than the printable area, it is automatically enlarged.</p>
[Enlarge Print Area]	This setting specifies whether to enlarge the printable area to the edge of the paper.
[2-Sided]	This setting specifies whether to print on one-side or both sides of the paper.
[Binding Location]	<p>This setting specifies whether to place the binding position along the long edge or the short edge of the paper. If the margin is specified on the touch panel display, the binding margin position is automatically adjusted on the front and back sides of the paper.</p> <p>For more information, see "Margin," on p. 3-17.</p>
[Show Warnings]	<p>This setting specifies the action to be taken if an error associated with printing an image occurs on the machine.</p> <ul style="list-style-type: none"> • If [On] is selected, an error message is displayed. • If [Off] is selected, an error message is not displayed.

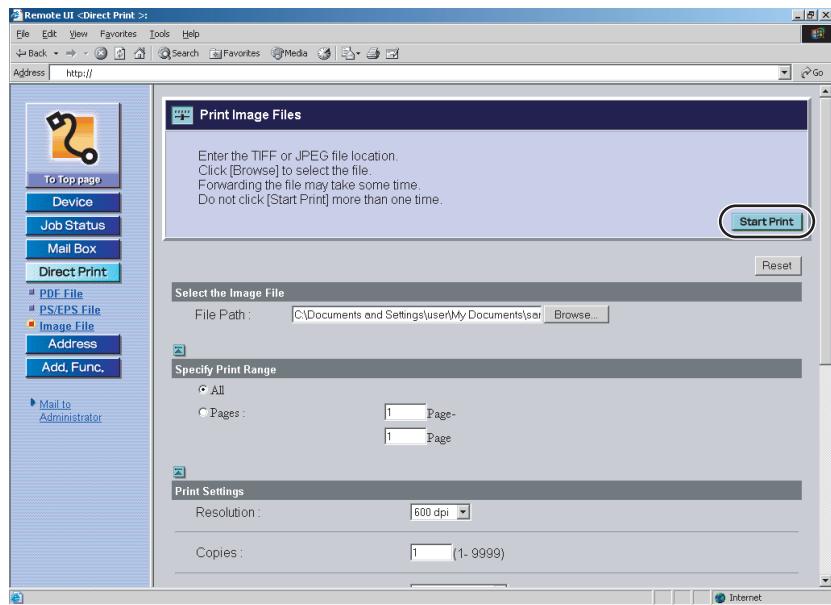
[Halftones]

This setting specifies how to express halftones in black and white data.

Print data is expressed in dots. Fine gradations, edges, and shades are expressed by using dither patterns, which are groups of dots. This is called halftone processing.

- If [Resolution] is selected, you can print text with distinct outlines, which is best to print text and thin lines.
- If [Gradation] is selected, you can print with both smooth gradation and outlines, which is best to print graphs and graphics that use gradation.
- If [High Resolution] is selected, finer printing can be done than with [Resolution], although toner stability is somewhat weaker. This is suited to printing small characters and fine lines, and outlines (such as from CAD data) sharply.

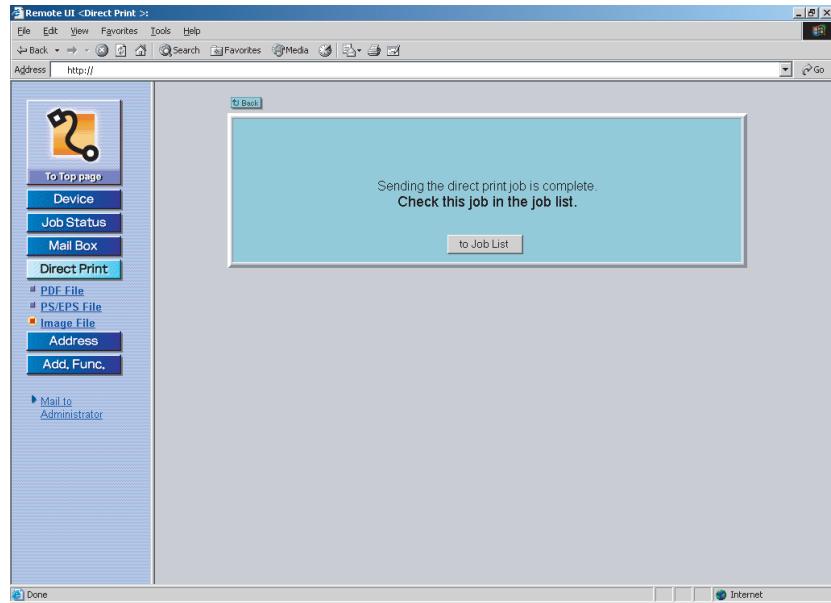
6 Click [Start Print].



Click [Reset] to return the settings to their default values.

Do not click [Start Print] continuously during file transfer. The file transfer process may take some time, but continuously clicking [Start Print] may cause the file to crash and not transfer.

After sending of a print job is completed, the screen changes and the following message appears.



Click [to Job List] to verify sent print jobs that have already been sent.

Printing Directly Using the Command Prompt

You can print directly by entering the LPR command in the command prompt.

For commands, settings specified by the command prompt or touch panel display are available.

- Specifies from the command prompt

You can specify LPR command settings with the P option, where each item is separated with an underscore (_). The following commands are supported with this machine.

Item	Command
Paper Size	LETTER, LEGAL, LEDGER (11" x 17"), A3, A4, A5, B4, B5
Layout	SIMP (One-sided), DUPL (Two-sided/Long Edge), DUPS (Two-sided/Short Edge)
Copies	C<Number of copies>.

Command example (with Paper Size as "LETTER," Layout as "DUPL," and Copies as "20"):

Input Example : lpr -S <IP Address> -P LETTER_DUPL_C20 <file name>

NOTE

If settings have not been specified from the command prompt, settings in the touch panel display will be enabled.

- Specifies from the touch panel display

The two settings that are available with the Direct Print function are 'Settings Menu' and 'PDF 1.5 Settings Menu'.

For more information, see "Settings Menu," on p. 3-9 and "PDF1.5 Settings," on p. 3-58.



6

CHAPTER

Troubleshooting

This chapter explains how to solve printing problems and the remedial steps to take if printing fails.

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Responding to Error Messages

When the Error indicator is orange, printing is not possible. If this happens during printing, the print operation stops. Read the displayed error message to determine the appropriate actions necessary to correct the problem.

This section describes how to handle error messages that appear on the touch panel display. The two types of error messages are:

- Service Call Messages
- Error Messages



NOTE

Other messages that may appear indicate the current condition of the machine.

6

Resetting the Machine after a Service Call Message

If a Service Call message occurs (Exxx-xxxx, where x represents a number), use the following procedure to clear the message.

1 Press (Additional Functions).

2 Press [Printer Settings].

When a Service Call error occurs, the normal Printer Settings screen does not appear and only the Reset Printer screen appears.

3 Press [Reset Printer].



IMPORTANT

If the Service Call error message still appears after you have performed this procedure, make a note of the number of the message and contact your local authorized Canon dealer with the number of the message and the conditions when the error occurred.

When a Message Is Displayed

If the machine is unable to print for some reason, the Error indicator lights up and a message indicating the cause of the problem is displayed on the touch panel display. When these messages are displayed, take the appropriate action to solve the problem.

NOTE

- If a message indicating another problem occurs at the same time as the first error message, a warning message will not be displayed.
- If the message is shown with the "Error Skip" mark, you can bypass the error and continue printing by pressing [Error skip]. However, if you do this, print data may be lost or the data may not be printed correctly. If you want to cancel the procedure, cancel the print job to remove the cause of the problem, and print the data again.
- For instructions on performing an error skip from the touch panel display, see "Skipping an Error during Printing," on p. 2-25.
- For instructions on canceling a print job from the touch panel display, see "Canceling Print Jobs," on p. 2-12.

E730-1001 PDL Initialize Error

Service Call

Cause An error occurred during the initialization of the printer function.

Remedy Perform a printer reset to try to initialize the function again. (See "Reset Printer," on p. 3-62.) If this error persists, contact your local authorized Canon dealer.

E730-100A PDL Service Call

Service Call

Cause An internal error has occurred.

Remedy Perform a printer reset to try to initialize the function again. (See "Reset Printer," on p. 3-62.) If this error persists, contact your local authorized Canon dealer.

E730-100B PDL Font Error

Service Call

Cause A master font error has occurred.

Remedy Perform a printer reset to try to initialize the function again. (See "Reset Printer," on p. 3-62.) If this error persists, contact your local authorized Canon dealer.

PDL Font Memory Full	Error Skip
Cause	The machine's memory space allocated for fonts is full and printing cannot proceed.
Remedy	Change the font setting in the printer driver and try printing again. Alternatively reduce the complexity of the print job by reducing the number of fonts that need to be downloaded to the machine.
PDL HD Error	Error Skip
Cause	The machine has reported a hard disk error.
Remedy	Perform a reset and try printing again. (See "Reset Printer," on p. 3-62.) If the problem persists, contact your local authorized Canon dealer.
PDL Image Memory Full	Error Skip
Cause	The machine's memory space allocated for images is full and printing cannot proceed.
Remedy	Change the image setting in the printer driver and try printing again. Alternatively reduce the complexity of the print job by reducing the number of images that need to be downloaded to the machine.
PDL IMG Initial. Err	
Cause	An error occurred during the initialization of the function.
Remedy	Cancel the job and then perform a printer reset to initialize the function again. (See "Reset Printer," on p. 3-62.) If this error persists, contact your local authorized Canon dealer.
PDL IMG Invalid Data	Error Skip
Cause	There is data in the TIFF or JPEG images that cannot be processed by the machine.
Remedy	Cancel the job and try printing the data again.
PDL IMG Process. Error	
Cause	An error occurred while processing data.
Remedy	Cancel the job and then perform a printer reset to initialize the function again. (See "Reset Printer," on p. 3-62.) If this error persists, contact your local authorized Canon dealer.

PDL IMG Work Memory Full Error Skip**Cause** There is not enough memory necessary to process TIFF or JPEG images.**Remedy** Cancel the job and try printing the data again.

PDL L. PAPER+1200dpi Err

Cause There is not enough memory necessary to process printing because 'Resolution' is set to [1200 dpi] when printing on large scale paper.**Remedy** Set 'Resolution' in the printer driver to [600 dpi] and print again. **NOTE**

You can also perform the same procedure from the touch panel display. (See "Resolution" on p. 3-15.)

PDL Macro Memory Full Error Skip**Cause** The machine's memory space allocated for macros is full and printing cannot proceed.**Remedy** Change the macro setting in the printer driver and try printing again. Alternatively reduce the complexity of the print job by reducing the number of macros that need to be downloaded to the machine.

PDL Memory Full Error Skip**Cause** The machine's memory is full and printing cannot proceed.**Remedy** Change the mode setting in the printer driver and try printing again, or reduce the complexity of the print job by reducing the number of fonts, macros, images, or patterns that need to be downloaded to the machine.

PDL Pattern Memory Full Error Skip**Cause** The machine's memory space allocated for patterns is full and printing cannot proceed.**Remedy** Change the pattern setting in the printer driver and try printing again. Alternatively reduce the complexity of the print job by reducing the number of patterns that need to be downloaded to the machine.

PDL PDF Access Error Error Skip

Cause An error occurred when PDF data was being loaded.

Remedy Perform [Error Skip] and continue printing. However, the data will not be printed correctly.

 **NOTE**

If 'Auto Continue' is set to [On], this error is skipped automatically. (See "Auto Continue," on p. 3-21.)

PDL PDF Analy. Acc. Err Error Skip

Cause An error occurred when PDF data was being loaded.

Remedy Perform [Error Skip] and continue printing. However, the data will not be printed correctly.

 **NOTE**

If 'Auto Continue' is set to [On], this error is skipped automatically. (See "Auto Continue," on p. 3-21.)

PDL PDF Color Analy. Err Error Skip

Cause A color space definition that cannot be rendered by the machine was sent.

Remedy 1 After canceling the print job, try printing again with PDF data that is compatible with the machine.

Remedy 2 Perform [Error Skip] and continue printing. However, the data will not be printed correctly.

 **NOTE**

If 'Auto Continue' is set to [On], this error is skipped automatically. (See "Auto Continue," on p. 3-21.)

PDL PDF Comp. Analy. Err

Cause There was compressed data in the PDF page that cannot be processed by the machine.

Remedy Try printing again with PDF data that is compatible with the machine.

PDL PDF Data Decode Err

Cause The password you entered in the PDF file is incorrect.

Remedy Enter the correct password and print the data again.

PDL PDF Data Error

Cause 1 PDF data that cannot be processed by the machine was sent.

Remedy Try printing again with PDF data that is compatible with the machine.

Cause 2 The Security settings in the PDF file do not allow printing.

Remedy Change the setting to allow printing.

PDL PDF Data Process Err

Error Skip

Cause PDF data that cannot be processed by the machine was sent.

Remedy 1 After canceling the print job, try printing again with PDF data that is compatible with the machine.

Remedy 2 Perform [Error Skip] and continue printing. However, the data will not be printed correctly.

NOTE

If 'Auto Continue' is set to [On], this error is skipped automatically. (See "Auto Continue," on p. 3-21.)

PDL PDF Data Scan Error

Error Skip

Cause An error occurred when PDF data was being loaded.

Remedy 1 After canceling the print job, try printing again with PDF data that is compatible with the machine.

Remedy 2 Perform [Error Skip] and continue printing. However, the data will not be printed correctly.

PDL PDF Error

Error Skip

Cause PDF data that cannot be processed by the machine was sent.

Remedy Perform [Error Skip] and continue printing. However, the data will not be printed correctly.

PDL PDF Font Error

Error Skip

Cause There is font in the PDF data that cannot be processed.

Remedy 1 After canceling the print job, try printing again with PDF data that is compatible with the machine.

Remedy 2 Perform [Error Skip] and continue printing. However, the data will not be printed correctly.

 **NOTE**

If 'Auto Continue' is set to [On], this error is skipped automatically. (See "Auto Continue," on p. 3-21.)

PDL PDF HDD Access Error

Cause An error occurred while the hard disk was loading in PDF 1.5 Mode.

Remedy Reset the printer to increase the amount of available memory and print again. (Note that all the data stored in the memory that was received by the machine will be deleted.) (See "Reset Printer," on p. 3-62.)

PDL PDF Initialize Error

Cause An error occurred when the PDF file started printing.

Remedy Reset the printer to increase the amount of available memory and print again. (Note that all the data stored in the memory that was received by the machine will be deleted.) (See "Reset Printer," on p. 3-62.)

PDL PDF Memory Full

Error Skip

Cause The machine's memory space allocated for PDF1.5 is full and printing cannot proceed.

Remedy 1 After canceling the print job, reset the printer to increase the amount of available memory and print again. (Note that all the data stored in the memory that was received by the machine will be deleted.) (See "Reset Printer," on p. 3-62.)

Remedy 2 Perform [Error Skip] and continue printing. However, the data will not be printed correctly.

PDL PDF Output Sel. Err Error Skip

Cause An error occurred in the PDF data output mode.

Remedy 1 After canceling the print job, try printing again with PDF data that is compatible with the machine.

Remedy 2 Perform [Error Skip] and continue printing. However, the data will not be printed correctly.

 **NOTE**

If 'Auto Continue' is set to [On], this error is skipped automatically. (See "Auto Continue," on p. 3-21.)

PDL PDF Page Comp. Error Error Skip

Cause There was compressed data in the PDF page that cannot be processed by the machine.

Remedy 1 After canceling the print job, try printing again with PDF data that is compatible with the machine.

Remedy 2 Perform [Error Skip] and continue printing. However, the data will not be printed correctly.

 **NOTE**

If 'Auto Continue' is set to [On], this error is skipped automatically. (See "Auto Continue," on p. 3-21.)

PDL PDF Print Range Err

Cause The range of the specified print pages is incorrect.

Remedy After canceling the print job, try printing again with PDF data that is compatible with the machine.

PDL PDF Profile Error	Error Skip
-----------------------	------------

Cause An error occurred while the ICC profile was being processed.

Remedy 1 After canceling the print job, try printing again with PDF data that is compatible with the machine.

Remedy 2 Perform [Error Skip] and continue printing. However, the data will not be printed correctly.

 **NOTE**

If 'Auto Continue' is set to [On], this error is skipped automatically. (See "Auto Continue," on p. 3-21.)

PDL PDF Rendering Error	Error Skip
-------------------------	------------

Cause An error occurred while PDF data was being rendered.

Remedy Perform [Error Skip] and continue printing. However, the data will not be printed correctly.

PDL PDF Temp. File Error	Error Skip
--------------------------	------------

Cause An error occurred while a PDF temporary file was being processed.

Remedy Perform [Error Skip] and continue printing. However, the data will not be printed correctly.

PDL PDF Transparency Err	Error Skip
--------------------------	------------

Cause There was a transparency object in the PDF data that cannot be processed by the machine.

Remedy 1 After canceling the print job, try printing again with PDF data that is compatible with the machine.

Remedy 2 Perform [Error Skip] and continue printing. However, the data will not be printed correctly.

 **NOTE**

If 'Auto Continue' is set to [On], this error is skipped automatically. (See "Auto Continue," on p. 3-21.)

Cause There is not enough memory to register the character set.

Remedy 1 Set the Graphics Mode in the UFR II printer driver to 'Raster Mode' and print the data again. (See the Help function on the UFR II printer driver.)

Remedy 2 After canceling the print job, reset the printer to increase the amount of available memory and print again. (Note that print data in memory such as secured print jobs and any jobs being processed will be deleted.) (See "Reset Printer," on p. 3-62.)

Remedy 3 Perform [Error Skip] and continue printing. However, the data will not be printed correctly.

 **NOTE**

If 'Auto Continue' is set to [On], this error is skipped automatically. (See "Auto Continue," on p. 3-21.)

Cause An error occurred while processing data in UFR II custom mode.

Remedy After canceling the print job, try printing again with a printer driver version that is compatible with the machine.

Cause The page layout cannot be processed due to lack of memory.

Remedy 1 Set the Graphics Mode in the UFR II printer driver to 'Raster Mode' and print the data again. (See the Help function on the UFR II printer driver.)

Remedy 2 After canceling the print job, reset the printer to increase the amount of available memory and print again. (Note that print data in memory such as secured print jobs and any jobs being processed will be deleted.) (See "Reset Printer," on p. 3-62.)

Remedy 3 Perform [Error Skip] and continue printing. However, the data will not be printed correctly.

 **NOTE**

If 'Auto Continue' is set to [On], this error is skipped automatically. (See "Auto Continue," on p. 3-21.)

PDL UFR II Version Err

Error Skip

Cause The machine received data from an incompatible UFR II version.

Remedy 1 Install a UFR II printer driver for use with imageRUNNER 5075/5065/5055/5050 and print the data again.

Remedy 2 Perform [Error Skip] and continue printing. However, the data will not be printed correctly.

PDL UFR II Work Mem Full

Error Skip

Cause The work memory for the UFR II mode is full.

Remedy 1 Set the Graphics Mode in the UFR II printer driver to 'Raster Mode' and print the data again. (See the Help function on the UFR II printer driver.)

Remedy 2 After canceling the print job, reset the printer to increase the amount of available memory and print again. (Note that print data in memory such as secured print jobs and any jobs being processed will be deleted.) (See "Reset Printer," on p. 3-62.)

Remedy 3 Perform [Error Skip] and continue printing. However, the data will not be printed correctly.



NOTE
If 'Auto Continue' is set to [On], this error is skipped automatically. (See "Auto Continue," on p. 3-21.)

PDL Warning

Cause An internal error has occurred for the printer function.

Remedy Perform a printer reset to try to initialize the function again. If this error persists, contact your local authorized Canon dealer.

Printing Problems

If you have trouble printing, we recommend resolving the problems with the following remedies.



NOTE

Please contact your local authorized Canon dealer if a problem persists, or if you encounter problems not listed below.

Printer Trouble

The printer's function does not work.

Cause 1 There is data remaining in the printer's memory. (The Processing/Data indicator is blinking or lit.)

Remedy Print out the data. (See Chapter 2, "Handling Different Print Jobs.")

Cause 2 There is a problem with the printer or the software.

Remedy Look at the message on the display and act accordingly. (See "When a Message Is Displayed," on p. 6-3.)

Printing stops before the job is complete.

Cause There is data remaining in the printer's memory. (The Processing/Data indicator is blinking or lit.)

Remedy Print out the data. (See Chapter 2, "Handling Different Print Jobs.")

You cannot print a job or store a job.

Cause The total number of pages in all jobs (maximum capacity is 20,000 pages) or size of the data in the hard disk has exceeded the limit which can be processed.

Remedy 1 Delete other processes, documents, or forms stored in the box, cancel other jobs being processed, or wait until those jobs are finished, then print again.

Remedy 2 Divide the job, then print again.

You cannot store a secured print job.

Cause The number of secured jobs stored in the machine has exceeded the maximum capacity of 50 jobs, or the total number of pages that are stored or are in jobs has exceeded the limit (20,000 pages).

Remedy Delete other secured jobs, or wait until those jobs have finished printing, then print again.

Printing Problems

Meaningless characters are being printed.

Cause 1 You have printed from Windows without installing the printer driver for Windows that was included with the machine.

Remedy Install the printer driver for Windows that was included with the machine and print the data again. (See Chapter 2, "Getting Started," in the *PCL Driver Guide*, the *PS Driver Guide*, or the *UFR II Driver Guide*.)

Cause 2 MS-DOS application software printer settings are incompatible.

Remedy Reset the MS-DOS application software printer settings on a printer that is compatible with the machine. (See the application software manual.)

A font that is different from the one specified is printed.

Cause The 'Send According to Font Substitution Table' setting has been set on the printer driver for Windows.

Remedy Set the 'Send According to Font Substitution Table' setting to the correct setting and print the data again. (See the Help function on the printer driver.)

You cannot print the last page.

Cause The command that identifies the end of the data has not been sent from the PC. (The Processing/Data indicator is blinking or lit.)

Remedy Clear the print data. (If you print from application software that does not have a print function and the last page of data is not a full page, the data will remain in the machine's memory.) (See Chapter 2, "Handling Different Print Jobs.")

A print job that you have specified as two-sided printing is printed on one side of the paper.

Cause 1 The paper size you have specified is not supported by two-sided printing.

Remedy Change the print job settings and print the data again.

Cause 2 The settings for the front and back sides of the paper are different.

Remedy Change the print job settings and print the data again.

The data does not fit on the page properly.

Cause 1 The paper is not in the correct position.

Remedy Make sure the machine is set correctly and try printing again. (See Chapter 7, "Routine Maintenance," in the *Reference Guide*.)

Cause 2 The data is outside the printable area.

Remedy 1 Insert margins around the data and print the data again. (See the Help function on the printer driver or the application software manual.)

Remedy 2 Change the 'Scaling' settings on the printer driver and print the data again. (See Chapter 3, "Basic Print Options" in the *PCL Driver Guide*, the *PS Driver Guide*, or the *UFR II Driver Guide*.)

The printing location has slipped.

Cause 1 Margin, Offset Short Edge, or Offset Long Edge in the printer settings menu have been changed.

Remedy Set Margin, Offset Short Edge, and Offset Long Edge to '0.00' and print the data again. (See "Margin," on p. 3-17, and "Offset Short Edge/Offset Long Edge (Front)," on p. 3-19, "Offset Short Edge/Offset Long Edge (Back)," on p. 3-20.)

Cause 2 The application software's top margin and paper location settings are not correct.

Remedy Set the correct settings for the top margin and the paper location and print the data again. (See the application software manual.)

Data that should be printed on the same page is printed on two separate pages.

Cause 1 The application software's "Line spacing" and "Number of lines on a page" settings are not correct.

Remedy Change the settings so that the data fits on one page and print the data again. (See the application software manual.)

Cause 2 The 'Timeout' setting is too short, when the 'Personality' setting is set to [Auto].

Remedy Change the 'Personality' setting to a setting other than [Auto], or increase the 'Timeout' setting. (See "Personality," on p. 3-42, and "Timeout," on p. 3-22.)

Print Quality Problems

The printout is too light or too dark.

Cause 1 The toner density settings are not correct.

Remedy Adjust the toner density and print the data again. (See "Density," on p. 3-13.)

Cause 2 'Toner Save' is set to [On].

Remedy Set 'Toner Save' to [Off] in the printer driver and print the data again. (See the Help function on the printer driver.)



NOTE
You can also perform the same procedure from the touch panel display. (See "Toner Save," on p. 3-13.)

Fine lines and characters with a small point size are light.

Cause The specified thin lines and fine characters cannot be processed properly.

Remedy 1 Set 'Resolution' to [600 dpi] and print the data again.

Remedy 2 Set 'Line Refinement' to [On] and print the data again.

Remedy 3 Set a higher level number for 'Horizontal/Vertical Line Refinement' and print the data again. (See "Horizontal Line Refinement," on p. 3-14, and "Vertical Line Refinement," on p. 3-14.)

If Trouble Occurs When Downloading Fonts or Macros from a Personal Computer

If trouble occurs when fonts or macros are downloaded from a personal computer to this machine and the problem cannot be resolved by reinstalling, follow the steps explained in this section to initialize the hard disk partition.

IMPORTANT

- Only the system administrator for the machine can initialize the hard disk. Contact the system administrator to execute this procedure.
- The font or macros information downloaded to the hard disk is deleted by initializing the hard disk.
- Do not turn OFF the power when the hard disk is initializing. Doing so may damage the machine.

NOTE

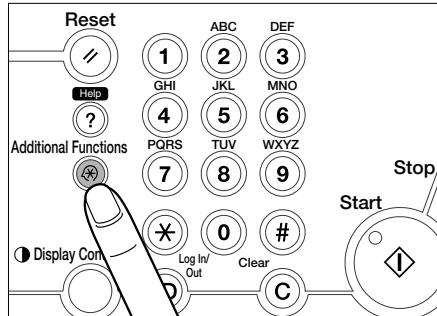
- The hard disk cannot be initialized in the following conditions:
 - When print data is being received or printed. (It is recommended that you remove the cable connecting the machine to the hub, so it does not receive print data.)
 - When fonts are being installed or uninstalled.
- The steps explained below are for initializing the PCL Hard Disk partition.
- To initialize the PS Hard Disk partition, follow the same steps, except that for step 5, select [Initialize PS Hard Disk].

1 Set System Management Mode.

NOTE

Before setting System Management Mode, a system manager ID and system password must be set. For details on settings, see Chapter 6, "System Manager Settings," in the *Reference Guide*.

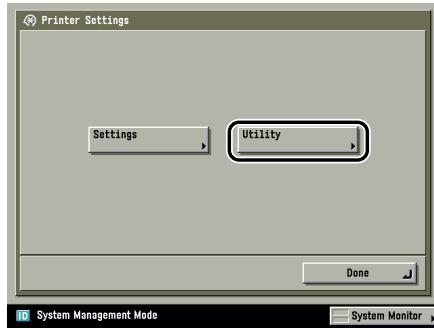
2 Press (Additional Functions).



3 Press [Printer Settings].



4 Press [Utility].



5 Press [Initialize PCL Hard Disk].



A confirmation message appears.



NOTE

If you cannot press [Initialize PCL Hard Disk], the hard disk cannot be initialized. Check whether System Management Mode is set or if the machine is processing a job, and start with Step 1 again.

6 Press [Yes].



If you do not wish to initialize the hard disk, press [No].

The following screen is displayed and the hard disk is initialized. During initialization, the Processing/Data indicator blinks green.



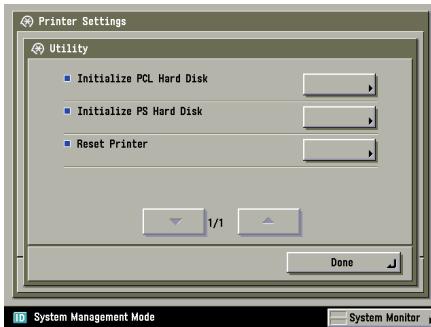
When the initialization of the hard disk is completed, the Processing/Data indicator goes out.

The duration of the hard disk initialization process depends on the number of fonts and macros on the hard disk.



IMPORTANT

- Do not turn OFF the power until the Processing/Data indicator goes out. Doing so may damage the machine.
- If the following screen is displayed after pressing [Yes], the hard disk has not been initialized. Check whether print data is received and retry.





7

CHAPTER

Appendix

This chapter shows print samples for different fonts, describes font information, including sources and font lists, and lists a summary of the specifications for the machine.

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Some Basic Facts about Fonts

This section summarizes some of the basic facts you should know about fonts.

What Is a Font?

A font is a collection of letters and symbols used when printing a document. In general, a group of letters and symbols sharing a common design is referred to as a font. A font consists of the letters A to Z in both upper and lowercase, digits, and symbols.

The design that distinguishes one font from another is referred to as a "typeface." Each font has a typeface name, such as Courier, CG Times, Letter Gothic, etc.

Attributes of Fonts

All fonts share some common characteristics, which are called "attributes." The typeface is one such attribute. The letters and symbols that are actually printed are determined by the values of a collection of these attributes.

Typeface	The design of the letters (e.g., Courier, CG Times, Helvetica, or Gothic).
Stroke Weight	The thickness of the lines with which the letters are drawn (e.g., bold, medium, or light).
Style	Whether the letters are drawn straight or at an angle (e.g., upright or italic).
Point Size	Height of the letters (e.g., 10 point or 5 point).
Pitch (cpi)	Number of characters that are printed in one inch (e.g., 10 cpi, 12 cpi, or Scale).
Character Width (Fixed/PS)	Indicates whether the character width is set to "Fixed" or "Proportional."
Orientation	Orientation of the characters on a page ("Portrait" or "Landscape").
Symbol Set	The rule that defines the correspondence between the character codes coming from the host computer, and the letter forms that appear on the page (e.g., Roman-8).

Typeface

Typeface refers to the design of the characters and symbols. The following figure shows an example of some typefaces.

Courier ABCDEFGHIJKLMNOPQRSTUVWXYZ

CG Times ABCDEFGHIJKLMNOPQRSTUVWXYZ

Helvetica ABCDEFGHIJKLMNOPQRSTUVWXYZ

Stroke Weight

Stroke weight refers to the thickness of the print. There are light, medium, and bold stroke weights. The printer function has medium and bold fonts available. The figure below shows an example of medium and bold printing.

MEDIUM MEDIUM MEDIUM
BOLD BOLD BOLD BOLD BOLD

Style

Style refers to the shape of the characters. The printer function can print in two styles: upright and italic.

With some fonts, like CourierPS and Letter Gothic, the terms "Oblique" and "Slanted" are used in the same manner as italics.

UPRIGHT UPRIGHT UPRIGHT
ITALIC ITALIC ITALIC

Point Size

Point size refers to the height of the character. Character size is measured in points. One inch is divided into 72 points and 1 point is 1/72 of an inch (about 0.35 mm). The printer function has bitmapped fonts and scalable fonts available. The bitmapped fonts are fixed in size, but the scalable fonts are not fixed in size. Scalable fonts are freely scalable to any size you wish in 0.1 point increments. The following figure shows an example of various point sizes.

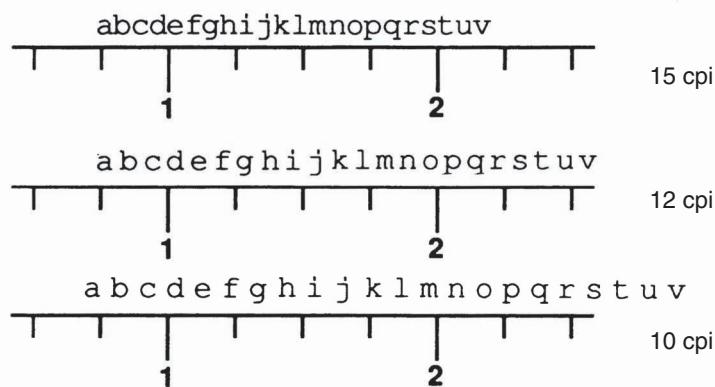
CGTimes 7pt
CGTimes 8pt
CGTimes 9pt
CGTimes 10pt
CGTimes 11pt
CGTimes 12pt
CGTimes 14pt
CGTimes 18pt
CGTimes 24pt

NOTE

See "Fonts and Scalable Fonts," on p. 7-6, for more information on bitmapped fonts and scalable fonts.

Pitch (cpi)

Pitch refers to the number of characters that are printed in one inch. The unit is cpi (characters per inch). As the number of characters per inch increases, the space between characters decreases; as the cpi decreases, the space between characters increases.



Character Width (Fixed and PS)

Each character has a different width from all the other characters in a font at a given point size. For example, "W" is a wider letter than "I." There are two ways to print letters of different widths: you can print all letters with the same spacing, regardless of their actual width; or you can change the spacing between letters to accommodate these different widths. Printing all letters with the same spacing is called "Fixed spacing," while changing the spacing to accommodate different letter widths is called "Proportional spacing."

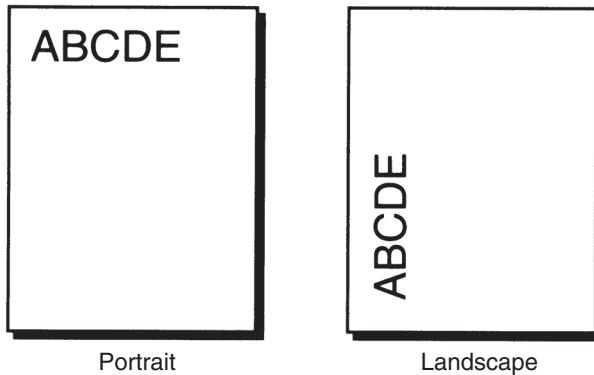
Because the Fixed spacing method prints all letters with the same spacing, the number of characters which will fit into a given length is a fixed quantity which can be specified.

If the characters are printed with Proportional spacing, then the number of characters that will fit into an inch varies depending on the letters printed.



Orientation

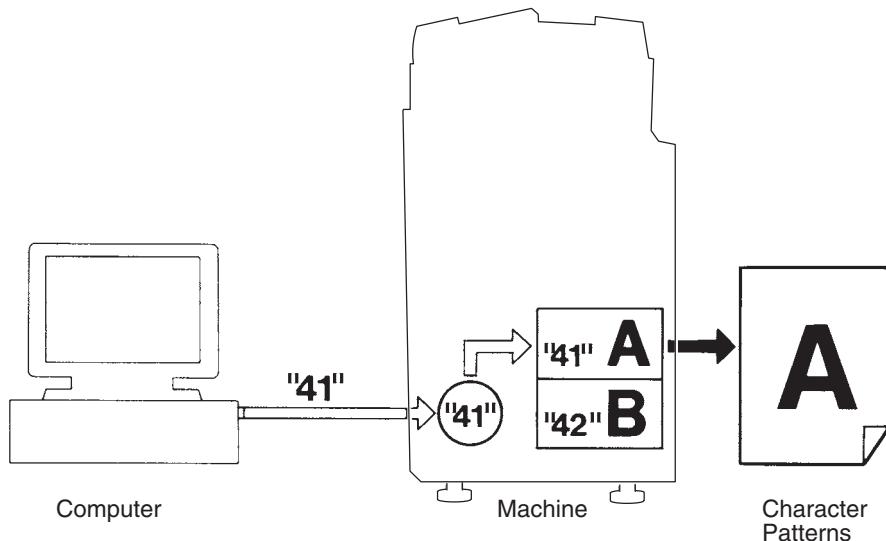
Orientation refers to the direction of printing. The printer function can print using two different paper orientations: portrait and landscape. With portrait orientation, text is printed across the width of the paper (short edge), and with landscape orientation, text is printed across the length of the paper (long edge).



Symbol Set

When you print the letter "A," the host computer sends a code corresponding to "A" (hexadecimal 41 is an example of this) to the machine. This code is referred to as the character code. The machine stores an internal representation of each character, and selects from among these character patterns the pattern corresponding to the received code. In this case, the machine searches for the pattern for "A," and prints it.

■ The process by which letters are printed



The machine uses a fixed rule to decide which letter or symbol corresponds to the character code sent from the host computer. For example, the letter "A" is printed for the hexadecimal code "41." The rule which determines the correspondence between character codes and printed letters is called the "symbol set."

Fonts and Scalable Fonts

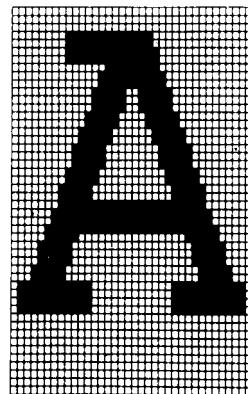
There are two types of fonts available, and these fonts are distinguished by the type of data from which they are formed.

- Bitmapped fonts
- Scalable fonts

Bitmapped Fonts

Each character of bitmapped fonts are composed of a grid of small dots and stored in the machine's memory in dot matrix format.

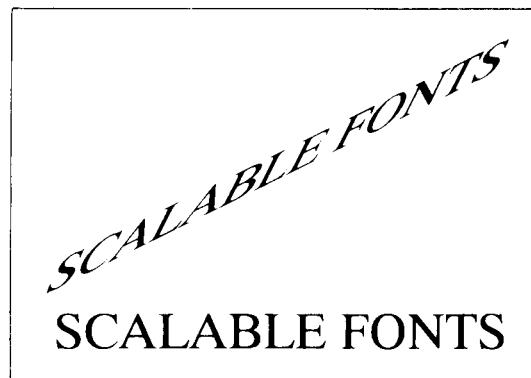
Bitmapped fonts are fixed in size and specified by characteristics called "attributes," such as typeface, stroke weight, style and so on. Various types of bitmapped fonts are produced by the combination of these attributes.



Scalable Fonts

With scalable fonts, characters are freely enlarged or compressed from the one point to any size you wish in 0.1 point increments.

uPSCALINGDoWN_{SCALIN}



Standard Scalable Fonts (PCL)

With scalable fonts, characters are freely enlarged or compressed from one point to any size you wish in 0.1 point increments. (The maximum range of scaling depends on the size of the memory installed in the machine and the size of the paper used.)

The following scalable typefaces are included with the machine.

Albertus Extra Bold	Helvetica Bold Oblique	New Century
Albertus Medium	Helvetica Narrow	Schoolbook Italic
Antique Olive	Helvetica Narrow Bold	New Century
Antique Olive Bold	Helvetica Narrow Bold	Schoolbook Roman
Antique Olive Italic	Oblique	Palatino Bold
Arial	Helvetica Narrow	Palatino Bold Italic
Arial Bold	Oblique	Palatino Italic
Arial Bold Italic	Helvetica Oblique	Palatino Roman
Arial Italic	ITC Avant Garde	Symbol
CG Omega	Gothic Book	SymbolPS
CG Omega Bold	ITC Avant Garde	Times Bold
CG Omega Bold Italic	Gothic Book Oblique	Times Bold Italic
CG Omega Italic	ITC Avant Garde	Times Italic
CG Times	Gothic Demi	Times New
CG Times Bold	ITC Avant Garde	Times New Bold
CG Times Bold Italic	Gothic Demi Oblique	Times New Bold Italic
CG Times Italic	ITC Bookman Demi	Times New Italic
Clarendon Condensed	ITC Bookman Demi	Times Roman
Coronet	Italic	Univers Medium
Courier	ITC Bookman Light	Univers Bold
Courier Bold	ITC Bookman Light	Univers Bold
Courier Bold Italic	Italic	Condensed
Courier Italic	ITC Zapf Chancery	Univers Bold
CourierPS	Medium Italic	Condensed Italic
CourierPS Bold	ITC Zapf Dingbats	Univers Bold Italic
CourierPS Oblique	Letter Gothic	Univers Medium Italic
CourierPS Bold	Letter Gothic Bold	Univers Medium
Oblique	Letter Gothic Italic	Condensed
Garamond Antiqua	Marigold	Univers Medium
Garamond Halbfett	New Century	Condensed Italic
Garamond Kursiv	Schoolbook Bold	Wingdings
Garamond Kursiv	New Century	
Halbfett	Schoolbook Bold	
Helvetica	Italic	
Helvetica Bold		

OCR Sets Fonts (PCL)

OCR A

OCR B

Symbol Sets (For Scalable Typefaces Only)

The following symbol sets are included with the machine.

ASCII (ISO6)	Legal	Pi Font
DeskTop	Math-8	PS Math *
Dingbats (14L)	MC Text *	PS Text
ISO 8859-1 Latin1	Microsoft Publishing	Roman-8
ISO 8859-10 Latin 6	OCR-A	Roman 9 *
ISO 8859-2 Latin 2	OCR-B	Symbol
ISO 8859-5 Latin 5	PC-1004 (OS/2)	Unicode
ISO French (ISO69)	PC-775	Ventura International
ISO German (ISO21)	PC-8	Ventura Math
ISO Italian (ISO15)	PC-8 D/N	Ventura US
ISO Latin 9 *	PC-8 Greek	Windows 3.0 Latin 1 *
ISO Norwegian (ISO60)	PC-850	Windows Baltic *
ISO Spanish (ISO17)	PC-852	Windows 3.1 Latin 1 *
ISO Swedish:names (ISO11)	PC-858 *	Windows 3.1 Latin 2 *
ISO United Kingdom (ISO4)	PC-860 Portugal	Windows 3.1 Latin 5 *
	PC-865 Norway	Wingdings
	PC-Turkish	

* Supports the euro symbol.

PS Fonts

AlbertusMT	BodoniCE Bold	Courier BoldOblique
AlbertusMT Italic	Bodoni BoldItalic	CourierCE BoldOblique
AlbertusMT Light	BodoniCE BoldItalic	Eurostile
AntiqueOlive Roman	Bodoni Poster	EurostileCE
AntiqueOliveCE	BodoniCE Poster	Eurostile Bold
Roman	Bodoni	EurostileCE Bold
AntiqueOlive Italic	PosterCompressed	Eurostile ExtendedTwo
AntiqueOliveCE Italic	BodoniCE	EurostileCE
AntiqueOlive Bold	PosterCompressed	ExtendedTwo
AntiqueOliveCE Bold	Bookman Light	Eurostile
AntiqueOlive Compact	BookmanCE Light	BoldExtendedTwo
AntiqueOliveCE	Bookman LightItalic	EurostileCE
Compact	BookmanCE LightItalic	BoldExtendedTwo
Apple Chancery	Bookman Demi	Geneva
Apple ChanceryCE	BookmanCE Demi	GenevaCE
ArialMT	Bookman DemiItalic	GillSans
ArialCE	BookmanCE DemiItalic	GillSansCE Roman
Arial ItalicMT	Candid	GillSans Italic
ArialCE Italic	Chicago	GillSansCE Italic
Arial BoldMT	Chicago CE	GillSans Bold
ArialCE Bold	Clarendon	GillSansCE Bold
Arial BoldItalicMT	ClarendonCE	GillSans BoldItalic
ArialCE BoldItalic	Clarendon Light	GillSansCE BoldItalic
AvantGarde Book	ClarendonCE Light	GillSans Condensed
AvantGardeCE Book	Clarendon Bold	GillSansCE
AvantGarde	ClarendonCE Bold	Condensed
BookOblique	CooperBlack	GillSans
AvantGardeCE	CooperBlack Italic	BoldCondensed
BookOblique	Copperplate	GillSansCE
AvantGarde Demi	ThirtyTwoBC	BoldCondensed
AvantGardeCE Demi	Copperplate	GillSans Light
AvantGarde	ThirtyThreeBC	GillSansCE Light
DemiOblique	Coronet Regular	GillSans LightItalic
AvantGardeCE	CoronetCE Regular	GillSansCE LightItalic
DemiOblique	Courier	GillSans ExtraBold
Bodoni	CourierCE	GillSansCE ExtraBold
BodoniCE	Courier Oblique	Goudy
Bodoni Italic	CourierCE Oblique	Goudy Italic
BodoniCE Italic	Courier Bold	Goudy Bold
Bodoni Bold	CourierCE Bold	Goudy BoldItalic
		Goudy ExtraBold

Helvetica	HoeftlTextCE Black	MonaLisa Recut
HelveticaCE	HoeftlText BlackItalic	NewCenturySchlbk
Helvetica Oblique	HoeftlTextCE	Roman
HelveticaCE Oblique	BlackItalic	NewCenturySchlbkCE
Helvetica Bold	HoeftlText Ornaments	Roman
HelveticaCE Bold	JoannaMT	NewCenturySchlbk
Helvetica BoldOblique	JoannaMTCE	Italic
HelveticaCE BoldOblique	JoannaMT Italic	NewCenturySchlbkCE
Helvetica Condensed	JoannaMT Bold	Italic
HelveticaCE Cond	JoannaMTCE Bold	NewCenturySchlbk
Helvetica Condensed	JoannaMT BoldItalic	Bold
Helvetica Condensed	JoannaMTCE BoldItalic	NewCenturySchlbkCE
Oblique	JoannaMTCE BoldItalic	Bold
HelveticaCE CondObl	LetterGothic	NewCenturySchlbk
Helvetica Condensed	LetterGothicCE	BoldItalic
Bold	LetterGothic Slanted	NewCenturySchlbkCE
HelveticaCE CondBold	LetterGothicCE	BoldItalic
Helvetica Condensed	Slanted	NewYork
BoldObl	LetterGothic Bold	NewYorkCE
HelveticaCE	LetterGothicCE Bold	Optima
CondBoldObl	LetterGothic	OptimaCE Roman
Helvetica Narrow	BoldSlanted	Optima Italic
HelveticaCE Narrow	LetterGothicCE	OptimaCE Italic
Helvetica Narrow Bold	BoldSlanted	Optima Bold
HelveticaCE	LubalinGraph Book	OptimaCE Bold
NarrowBold	LubalinGraphCE Book	Optima BoldItalic
Helvetica Narrow	LubalinGraph	OptimaCE BoldItalic
BoldOblique	BookOblique	Oxford
HelveticaCE	LubalinGraphCE	Palatino Roman
NarrowBoldOblique	BookOblique	PalatinoCE Roman
Helvetica Narrow	LubalinGraph Demi	Palatino Italic
Oblique	LubalinGraphCE Demi	PalatinoCE Italic
HelveticaCE	LubalinGraph	Palatino Bold
NarrowOblique	DemiOblique	PalatinoCE Bold
HoeftlText Regular	LubalinGraphCE	Palatino BoldItalic
HoeftlTextCE Regular	DemiOblique	PalatinoCE BoldItalic
HoeftlText Italic	Marigold	StempelGaramond
HoeftlTextCE Italic	Monaco	Roman
HoeftlText Black	MonacoCE	StempelGaramondCE
		Roman

StempelGaramond	TimesNewRomanCE	Univers
Italic	Italic	CondensedOblique
StempelGaramondCE	TImesNewRomanPS	UniversCE
Italic	BoldMT	CondensedOblique
StempelGaramond	TimesNewRomanCE	Univers
Bold	Bold	CondensedBold
StempelGaramondCE	TimesNewRomanPS	UniversCE
Bold	BoldItalicMT	CondensedBold
StempelGaramond	TimesNewRomanCE	Univers Condensed
BoldItalic	BoldItalic	BoldOblique
StempelGaramondCE	Univers	UniversCE Condensed
BoldItalic	UniversCE Medium	BoldOblique
Symbol	Univers Oblique	Univers Extended
Taffy	UniversCE Oblique	UniversCE Extended
Times Roman	Univers Bold	Univers ExtendedObl
TimesCE Roman	UniversCE Bold	UniversCE
Times Italic	Univers BoldOblique	ExtendedObl
TimesCE Italic	UniversCE	Univers BoldExt
Times Bold	BoldOblique	UniversCE BoldExt
TimesCE Bold	Univers Light	Univers BoldExtObl
Times BoldItalic	UniversCE Light	UniversCE BoldExtObl
TimesCE BoldItalic	Univers LightOblique	Wingdings Regular
TimesNewRomanPSMT	Univers CE	ZapfChancery
TimesNewRomanCE	LightOblique	MediumItalic
TimesNewRomanPS	Univers Condensed	ZapfChanceryCE
ItalicMT	UniversCE Condensed	MediumItalic
		ZapfDingbats

Checking the Font Lists for Available Fonts

Font lists are a comprehensive listing of all fonts currently available. The listing contains both the names of resident fonts, and the names of the fonts stored on any external hard disk that may be present.

PCL FONT LISTS

FONT LISTS						PAGE. 001	PS FONT LISTS	
①	Font Name	(2) Symbol	(3) Spacing	(4) Style	(5) StrokeW.	Typeface	⑥	Sample
Courier	0	0	0	scalable	4099	ABCDE		
CG Times	1	0	0	scalable	4101	ABCDE		
CG Times Bold	1	0	3	scalable	4101	ABCDE		
CG Times Italic	1	1	0	scalable	4101	ABCDE		
CG Times Bold Italic	1	1	3	scalable	4113	ABCDE		
CG Omega	1	0	0	scalable	4113	ABCDE		
CG Omega Bold	1	0	3	scalable	4113	ABCDE		
CG Omega Italic	1	1	0	scalable	4113	ABCDE		
CG Omega Bold Italic	1	1	3	scalable	4113	ABCDE		
Coronet	1	1	0	scalable	4114	ABCDE		
Clarendon Condensed	1	4	3	scalable	4140	ABCDEF		
Univers Medium	1	0	0	scalable	4148	ABCDE		
Univers Bold	1	0	3	scalable	4148	ABCDE		
Univers Medium Italic	1	1	0	scalable	4148	ABCDE		
Univers Bold Italic	1	1	3	scalable	4148	ABCDE		
Univers Bold Condensed	1	4	0	scalable	4148	ABCDEF		
Univers Bold Condensed	1	4	3	scalable	4148	ABCDEF		
Univers Medium Condensed Italic	1	0	0	scalable	4148	ABCDEF		
Univers Bold Condensed Italic	1	5	3	scalable	4148	ABCDEF		
Antique Olive	1	0	0	scalable	4168	ABCDE		
Antique Olive Bold	1	0	3	scalable	4168	ABCDE		
Antique Olive Italic	1	1	0	scalable	4168	ABCDE		
Garamond Antiqua	1	0	0	scalable	4197	ABCDE		
Garamond Halbfett	1	0	3	scalable	4197	ABCDE		
Garamond Kursiv	1	1	0	scalable	4197	ABCDE		
Garamond Kursiv Halbfett	1	1	3	scalable	4197	ABCDE		

The Font List includes the following information:

①	Font/Symbol Set*	The typeface name and the symbol set.
②	Spacing	This indicates whether a font is a fixed-size, non-proportional font (0) or a proportional font (1).
③	Style	Upright (straight) characters or italic (slanted) characters.
④	Stroke Weight	The stroke weight of the characters in the font.
⑤	Pitch/Point Size	The pitch and point size. For a scalable font, Scale is displayed. The vertical distance in points from the top of capital letters to the tail of the letter "y."
⑥	Print Sample	A print sample of the font.

* If the font supports more than one symbol set, a command parameter (indicated with xY or xM) will not be shown.

Typeface Samples

Standard Scalable Fonts (PCL)

Courier	ABCDEFGHIJKLMNOPQRSTUVWXYZ
CG Times	ABCDEFGHIJKLMNOPQRSTUVWXYZ
CG Times Bold	ABCDEFGHIJKLMNOPQRSTUVWXYZ
CG Times Italic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
CG Times Bold Italic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
CG Omega	ABCDEFGHIJKLMNOPQRSTUVWXYZ
CG Omega Bold	ABCDEFGHIJKLMNOPQRSTUVWXYZ
CG Omega Italic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
CG Omega Bold Italic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Coronet	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Clarendon Condensed	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Univers Medium	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Univers Bold	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Univers Medium Italic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Univers Bold Italic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Univers Medium Condensed	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Univers Bold Condensed	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Univers Medium Condensed Italic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Univers Bold Condensed Italic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Antique Olive	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Antique Olive Bold	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Antique Olive Italic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Garamond Antiqua	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Garamond Halbfett	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Garamond Kursiv	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Garamond Kursiv Halbfett	ABCDEFGHIJKLMNOPQRSTUVWXYZ

Marigold	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Albertus Medium	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Albertus Extra Bold	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Arial	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Arial Bold	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Arial Italic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Arial Bold Italic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Times New	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Times New Bold	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Times New Italic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Times New Bold Italic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Helvetica	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Helvetica Bold	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Helvetica Oblique	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Helvetica Bold Oblique	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Helvetica Narrow	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Helvetica Narrow Bold	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Helvetica Narrow Oblique	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Helvetica Narrow Bold Oblique	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Palatino Roman	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Palatino Bold	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Palatino Italic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Palatino Bold Italic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
ITC Avant Garde Gothic Book	ABCDEFGHIJKLMNOPQRSTUVWXYZ
ITC Avant Garde Gothic Demi	ABCDEFGHIJKLMNOPQRSTUVWXYZ
ITC Avant Garde Gothic Book Oblique	ABCDEFGHIJKLMNOPQRSTUVWXYZ

Bitmapped Fonts (PCL)

Line Printer	ABCDEFGHIJKİÓÜÑÑÖÜÇĞİÜZİ
Line Printer	ABCDEFGHIJKÄÅÉÉÉÍÍÍÜÜÜ
Line Printer	ABCDEFGHIJKİçfö¥!\$^ø@«—ø—
Line Printer	ABCDEFGHIJKİóúññööçğáññíñ
Line Printer	ABCDEFGHIJKİóúññööçğéññíñ
Line Printer	ABCDEFGHIJK
Line Printer	ABCDEFGHIJKÄ~L~S~-ŞŞT~Z~Z
Line Printer	ABCDEFGHIJKİçfö¥!\$^ø@«—ø—
Line Printer	ABCDEFGHIJKÄĞİÍKŞLĐŞT~ÜÑ
Line Printer	ABCDEFGHIJKİçfö¥!\$^ø@«—ø—

OCR Code Scalable Fonts (PCL)

OCR A

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

OCR B

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

PS Fonts

AlbertusMT	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
AlbertusMT Italic	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
AlbertusMT Light	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
AntiqueOlive Roman	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
AntiqueOliveCE Roman	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
AntiqueOlive Italic	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
AntiqueOliveCE Italic	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
AntiqueOlive Bold	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
AntiqueOliveCE Bold	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
AntiqueOlive Compact	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
AntiqueOliveCE Compact	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
Apple Chancery	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
Apple ChanceryCE	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
ArialMT	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
ArialICE	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
Arial ItalicMT	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
ArialICE Italic	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
Arial BoldMT	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
ArialICE Bold	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
Arial BoldItalicMT	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
ArialICE BoldItalic	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
AvantGarde Book	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
AvantGardeCE Book	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
AvantGarde BookOblique	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
AvantGardeCE BookOblique	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
AvantGarde Demi	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
AvantGardeCE Demi	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
AvantGarde DemiOblique	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Clarendon Bold	ABCDEFGHIJKLM NOPQRSTUVWXYZ
ClarendonCE Bold	ABCDEFGHIJKLM NOPQRSTUVWXYZ
CooperBlack	ABCDEFGHIJKLM NOPQRSTUVWXYZ
CooperBlack Italic	ABCDEFGHIJKLM NOPQRSTUVWXYZ
Copperplate ThirtyTwoBC	ABCDEFGHIJKLM NOPQRSTUVWXYZ
Copperplate ThirtyThreeBC	ABCDEFGHIJKLM NOPQRSTUVWXYZ
Coronet Regular	<i>ABCDEFGHIJKLM NOPQRSTUVWXYZ</i>
CoronetCE Regular	<i>ABCDEFGHIJKLM NOPQRSTUVWXYZ</i>
Courier	ABCDEFGHIJKLM NOPQRSTUVWXYZ
CourierCE	ABCDEFGHIJKLM NOPQRSTUVWXYZ
Courier Oblique	ABCDEFGHIJKLM NOPQRSTUVWXYZ
CourierCE Oblique	ABCDEFGHIJKLM NOPQRSTUVWXYZ
Courier Bold	ABCDEFGHIJKLM NOPQRSTUVWXYZ
CourierCE Bold	ABCDEFGHIJKLM NOPQRSTUVWXYZ
Courier BoldOblique	ABCDEFGHIJKLM NOPQRSTUVWXYZ
CourierCE BoldOblique	ABCDEFGHIJKLM NOPQRSTUVWXYZ
Eurostile	ABCDEFGHIJKLM NOPQRSTUVWXYZ
EurostileCE	ABCDEFGHIJKLM NOPQRSTUVWXYZ
Eurostile Bold	ABCDEFGHIJKLM NOPQRSTUVWXYZ
EurostileCE Bold	ABCDEFGHIJKLM NOPQRSTUVWXYZ
Eurostile ExtendedTwo	ABCDEFGHIJKLM NOPQRSTUVWXYZ
EurostileCE ExtendedTwo	ABCDEFGHIJKLM NOPQRSTUVWXYZ
Eurostile BoldExtendedTwo	ABCDEFGHIJKLM NOPQRSTUVWXYZ
EurostileCE BoldExtendedTwo	ABCDEFGHIJKLM NOPQRSTUVWXYZ
Geneva	ABCDEFGHIJKLM NOPQRSTUVWXYZ
GenevaCE	ABCDEFGHIJKLM NOPQRSTUVWXYZ
GillSans	ABCDEFGHIJKLM NOPQRSTUVWXYZ
GillSansCE Roman	ABCDEFGHIJKLM NOPQRSTUVWXYZ

GillSans Italic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
GillSansCE Italic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
GillSans Bold	ABCDEFGHIJKLMNOPQRSTUVWXYZ
GillSansCE Bold	ABCDEFGHIJKLMNOPQRSTUVWXYZ
GillSans BoldItalic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
GillSansCE BoldItalic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
GillSans Condensed	ABCDEFGHIJKLMNOPQRSTUVWXYZ
GillSansCE Condensed	ABCDEFGHIJKLMNOPQRSTUVWXYZ
GillSans BoldCondensed	ABCDEFGHIJKLMNOPQRSTUVWXYZ
GillSansCE BoldCondensed	ABCDEFGHIJKLMNOPQRSTUVWXYZ
GillSans Light	ABCDEFGHIJKLMNOPQRSTUVWXYZ
GillSansCE Light	ABCDEFGHIJKLMNOPQRSTUVWXYZ
GillSans LightItalic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
GillSansCE LightItalic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
GillSans ExtraBold	ABCDEFGHIJKLMNOPQRSTUVWXYZ
GillSansCE ExtraBold	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Goudy	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Goudy Italic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Goudy Bold	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Goudy BoldItalic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Goudy ExtraBold	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Helvetica	ABCDEFGHIJKLMNOPQRSTUVWXYZ
HelveticaCE	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Helvetica Oblique	ABCDEFGHIJKLMNOPQRSTUVWXYZ
HelveticaCE Oblique	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Helvetica Bold	ABCDEFGHIJKLMNOPQRSTUVWXYZ
HelveticaCE Bold	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Helvetica BoldOblique	ABCDEFGHIJKLMNOPQRSTUVWXYZ

HelveticaCE BoldOblique	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
Helvetica Condensed	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
HelveticaCE Cond	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
Helvetica Condensed Oblique	<i>A B C D E F G H I J K L M N O P Q R S T U V W X Y Z</i>
HelveticaCE CondObl	<i>A B C D E F G H I J K L M N O P Q R S T U V W X Y Z</i>
Helvetica Condensed Bold	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
HelveticaCE CondBold	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
Helvetica Condensed BoldObl	<i>A B C D E F G H I J K L M N O P Q R S T U V W X Y Z</i>
HelveticaCE CondBoldObl	<i>A B C D E F G H I J K L M N O P Q R S T U V W X Y Z</i>
Helvetica Narrow	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
HelveticaCE Narrow	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
Helvetica Narrow Bold	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
HelveticaCE NarrowBold	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
Helvetica Narrow BoldOblique	<i>A B C D E F G H I J K L M N O P Q R S T U V W X Y Z</i>
HelveticaCE Narrow BoldOblique	<i>A B C D E F G H I J K L M N O P Q R S T U V W X Y Z</i>
Helvetica Narrow Oblique	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
HelveticaCE NarrowOblique	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
HoeflerText Regular	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
HoeflerTextCE Regular	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
HoeflerText Italic	<i>A B C D E F G H I J K L M N O P Q R S T U V W X Y Z</i>
HoeflerTextCE Italic	<i>A B C D E F G H I J K L M N O P Q R S T U V W X Y Z</i>
HoeflerText Black	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
HoeflerTextCE Black	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
HoeflerText BlackItalic	<i>A B C D E F G H I J K L M N O P Q R S T U V W X Y Z</i>
HoeflerTextCE BlackItalic	<i>A B C D E F G H I J K L M N O P Q R S T U V W X Y Z</i>
HoeflerText Ornaments	ଠେଣୁକୁଳୁନ୍ଦେଶ୍ୱରେଶ୍ୱରୋମେଣ୍ଟ୍ସ୍ ଏବଂ
JoannaMT	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
JoannaMTCE	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

JoannaMT Italic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
JoannaMTCE Italic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
JoannaMT Bold	ABCDEFGHIJKLMNOPQRSTUVWXYZ
JoannaMTCE Bold	ABCDEFGHIJKLMNOPQRSTUVWXYZ
JoannaMT BoldItalic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
JoannaMTCE BoldItalic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
LetterGothic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
LetterGothicCE	ABCDEFGHIJKLMNOPQRSTUVWXYZ
LetterGothic Slanted	ABCDEFGHIJKLMNOPQRSTUVWXYZ
LetterGothicCE Slanted	ABCDEFGHIJKLMNOPQRSTUVWXYZ
LetterGothic Bold	ABCDEFGHIJKLMNOPQRSTUVWXYZ
LetterGothicCE Bold	ABCDEFGHIJKLMNOPQRSTUVWXYZ
LetterGothic BoldSlanted	ABCDEFGHIJKLMNOPQRSTUVWXYZ
LetterGothicCE BoldSlanted	ABCDEFGHIJKLMNOPQRSTUVWXYZ
LubalinGraph Book	ABCDEFGHIJKLMNOPQRSTUVWXYZ
LubalinGraphCE Book	ABCDEFGHIJKLMNOPQRSTUVWXYZ
LubalinGraph BookOblique	ABCDEFGHIJKLMNOPQRSTUVWXYZ
LubalinGraphCE BookOblique	ABCDEFGHIJKLMNOPQRSTUVWXYZ
LubalinGraph Demi	ABCDEFGHIJKLMNOPQRSTUVWXYZ
LubalinGraphCE Demi	ABCDEFGHIJKLMNOPQRSTUVWXYZ
LubalinGraph DemiOblique	ABCDEFGHIJKLMNOPQRSTUVWXYZ
LubalinGraphCE DemiOblique	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Marigold	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Monaco	ABCDEFGHIJKLMNOPQRSTUVWXYZ
MonacoCE	ABCDEFGHIJKLMNOPQRSTUVWXYZ
MonaLisa Recut	ABCDEFGHIJKLMNOPQRSTUVWXYZ
NewCenturySchlbk Roman	ABCDEFGHIJKLMNOPQRSTUVWXYZ
NewCenturySchlbkCE Roman	ABCDEFGHIJKLMNOPQRSTUVWXYZ

NewCenturySchlbk Italic	ABCDEFGHIJKLM NOPQRSTUVWXYZ
NewCenturySchlbkCE Italic	ABCDEFGHIJKLM NOPQRSTUVWXYZ
NewCenturySchlbk Bold	ABCDEFGHIJKLM NOPQRSTUVWXYZ
NewCenturySchlbkCE Bold	ABCDEFGHIJKLM NOPQRSTUVWXYZ
NewCenturySchlbk BoldItalic	ABCDEFGHIJKLM NOPQRSTUVWXYZ
NewCenturySchlbkCE BoldItalic	ABCDEFGHIJKLM NOPQRSTUVWXYZ
NewYork	ABCDEFGHIJKLM NOPQRSTUVWXYZ
NewYorkCE	ABCDEFGHIJKLM NOPQRSTUVWXYZ
Optima	ABCDEFGHIJKLM NOPQRSTUVWXYZ
OptimaCE Roman	ABCDEFGHIJKLM NOPQRSTUVWXYZ
Optima Italic	ABCDEFGHIJKLM NOPQRSTUVWXYZ
OptimaCE Italic	ABCDEFGHIJKLM NOPQRSTUVWXYZ
Optima Bold	ABCDEFGHIJKLM NOPQRSTUVWXYZ
OptimaCE Bold	ABCDEFGHIJKLM NOPQRSTUVWXYZ
Optima BoldItalic	ABCDEFGHIJKLM NOPQRSTUVWXYZ
OptimaCE BoldItalic	ABCDEFGHIJKLM NOPQRSTUVWXYZ
Oxford	ABCDEFGHIJKLM NOPQRSTUVWXYZ
Palatino Roman	ABCDEFGHIJKLM NOPQRSTUVWXYZ
PalatinoCE Roman	ABCDEFGHIJKLM NOPQRSTUVWXYZ
Palatino Italic	ABCDEFGHIJKLM NOPQRSTUVWXYZ
PalatinoCE Italic	ABCDEFGHIJKLM NOPQRSTUVWXYZ
Palatino Bold	ABCDEFGHIJKLM NOPQRSTUVWXYZ
PalatinoCE Bold	ABCDEFGHIJKLM NOPQRSTUVWXYZ
Palatino BoldItalic	ABCDEFGHIJKLM NOPQRSTUVWXYZ
PalatinoCE BoldItalic	ABCDEFGHIJKLM NOPQRSTUVWXYZ
StempelGaramond Roman	ABCDEFGHIJKLM NOPQRSTUVWXYZ
StempelGaramondCE Roman	ABCDEFGHIJKLM NOPQRSTUVWXYZ
StempelGaramond Italic	ABCDEFGHIJKLM NOPQRSTUVWXYZ

StempelGaramondCE Italic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
StempelGaramond Bold	ABCDEFGHIJKLMNOPQRSTUVWXYZ
StempelGaramondCE Bold	ABCDEFGHIJKLMNOPQRSTUVWXYZ
StempelGaramond BoldItalic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
StempelGaramondCE BoldItalic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Symbol	ΑΒΧΔΕΦΓΗΙΘΚΑΜΝΟΠΘΡΣΤΥҪΩΞΨΖ
Taffy	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Times Roman	ABCDEFGHIJKLMNOPQRSTUVWXYZ
TimesCE Roman	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Times Italic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
TimesCE Italic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Times Bold	ABCDEFGHIJKLMNOPQRSTUVWXYZ
TimesCE Bold	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Times BoldItalic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
TimesCE BoldItalic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
TimesNewRomanPSMT	ABCDEFGHIJKLMNOPQRSTUVWXYZ
TimesNewRomanCE	ABCDEFGHIJKLMNOPQRSTUVWXYZ
TimesNewRomanPS ItalicMT	ABCDEFGHIJKLMNOPQRSTUVWXYZ
TimesNewRomanCE Italic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
TimesNewRomanPS BoldMT	ABCDEFGHIJKLMNOPQRSTUVWXYZ
TimesNewRomanCE Bold	ABCDEFGHIJKLMNOPQRSTUVWXYZ
TimesNewRomanPS BoldItalicMT	ABCDEFGHIJKLMNOPQRSTUVWXYZ
TimesNewRomanCE BoldItalic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Univers	ABCDEFGHIJKLMNOPQRSTUVWXYZ
UniversCE Medium	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Univers Oblique	ABCDEFGHIJKLMNOPQRSTUVWXYZ
UniversCE Oblique	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Univers Bold	ABCDEFGHIJKLMNOPQRSTUVWXYZ

Symbol Sets

ASCII

	00	10	20	30	40	50	60	70	80	90	A0	B0	C0	D0	E0	F0	
0				0	@	P	p									0	
1		!	1	A	Q	a	q									1	
2		”	2	B	R	b	r									2	
3		#	3	C	S	c	s									3	
4		\$	4	D	T	d	t									4	
5		%	5	E	U	e	u									5	
6		&	6	F	V	f	v									6	
7		’	7	G	W	g	w									7	
8		(	8	H	X	h	x									8
9		)	9	I	Y	i	y									9
A		*	:	J	Z	j	z									A	
B		+	;	K	[	k	{									B
C		,	<	L	\	l	|									C	
D		-	=	M	]	m	}									D
E		.	>	N	^	n	~									E	
F		/	?	O	_	o	☒									F	

DeskTop

	00	10	20	30	40	50	60	70	80	90	A0	B0	C0	D0	E0	F0	
0				0	@	P	p				“	—	<	a	0		
1		!	1	A	Q	a	q				¶	”	±	>	o	1	
2		”	2	B	R	b	r				§	μ	×	«	æ	2	
3		#	3	C	S	c	s				†	%	÷	»	Æ	3	
4		\$	4	D	T	d	t				‡	•	◦	,	ð	4	
5		%	5	E	U	e	u				®	●	’	„	Ð	5	
6		&	6	F	V	f	v				®	○	”	.	ij	6	
7		’	7	G	W	g	w				™	○	¼	í	IJ	7	
8		(	8	H	X	h	x				%	■	½	î	ł	8
9)	9	I	Y	i	y				c	■	¾	Pt	Ł	9	
A		*	:	J	Z	j	z				—	□	1	ℓ	œ	A	
B		+	;	K	[k	{				—	□	2	£	Œ	B	
C		,	<	L	\	l					...	’	3	¥	ø	C	
D		-	=	M]	m	}				fl	¬	/	□	Ø	D	
E		.	>	N	^	n	~				fl			f	þ	E	
F		/	?	O	_	o	☒				—			ß	p	F	

ISO 8859-1 Latin 1

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ISO 8859-10 Latin 6

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ISO German

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ISO Italian

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ISO Swedish

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ISO United Kingdom

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PC-8

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Roman-8

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Ventura International

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Ventura Math

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6	&	6	F	V	f	v			¶	Æ	Ö	æ	ö	ö	6	
7	'	7	G	W	g	w		§	·	Ç	×	ç	÷	÷	7	
8	(8	H	X	h	x		"	,	È	Ø	è	ø	ø	8	
9)	9	I	Y	i	y		®	¹	É	Ù	é	ù	ù	9	
A	*	:	J	Z	j	z		a	º	Ê	Ú	ê	ú	ú	A	
B	+	;	K	[k	{			«	»	Ë	Ü	ë	ü	ü	B
C	,	<	L	\	l				¬	¼	Ì	Ü	ì	ü	ü	C
D	-	=	M]	m	}			-	½	Í	Ý	í	ý	ý	D
E	.	>	N	^	n	~			®	¾	Î	Þ	í	þ	þ	E
F	/	?	O	_	o	☒			-	¸	Ï	Þ	í	ÿ	ÿ	F

Windows 3.1 Latin 1

			0	@	P	`	p	€			°	À	Ð	à	ð	
0			0	@	P	`	p	€			°	À	Ð	à	ð	0
1	!	1	A	Q	a	q		'	í	±	Á	Ñ	á	ñ	1	
2	"	2	B	R	b	r	,	c	²	Â	Ò	â	ò	ò	2	
3	#	3	C	S	c	s	f	“	ƒ	³	Ã	Ó	ã	ó	ó	3
4	\$	4	D	T	d	t	„	”	¤	’	Ä	Ö	ä	ö	ö	4
5	%	5	E	U	e	u	...	•	¥	μ	Å	Ö	å	ö	ö	5
6	&	6	F	V	f	v	†	-	|	¶	Æ	Ö	æ	ö	ö	6
7	'	7	G	W	g	w	‡	-	§	·	Ç	×	ç	÷	÷	7
8	(	8	H	X	h	x	^	~	“	,	È	Ø	è	ø	ø	8
9	)	9	I	Y	i	y	‰	™	®	¹	É	Ù	é	ù	ù	9
A	*	:	J	Z	j	z	Š	š	á	º	Ê	Ú	ê	ú	ú	A
B	+	;	K	[	k	{	⟨	⟩	«	»	Ë	Ü	ë	ü	ü	B
C	,	<	L	\	l	|	Œ	œ	¬	¼	Ì	Ü	ì	ü	ü	C
D	-	=	M	]	m	}			-	½	Í	Ý	í	ý	ý	D
E	.	>	N	^	n	~	Ž	ž	®	¾	Î	Þ	í	þ	þ	E
F	/	?	O	_	o	☒	Ÿ	-	¸	Ï	Þ	í	ÿ	ÿ	ÿ	F

Windows 3.1 Latin 2

	00	10	20	30	40	50	60	70	80	90	A0	B0	C0	D0	E0	F0	
0				0	@	P	`	p	€			°	Ŕ	Đ	í	d	0
1	!	1	A	Q	a	q		'	ˇ	±	Á	Ń	á	ń		1	
2	"	2	B	R	b	r	,	'	ˇ	.	Â	Ñ	â	ñ		2	
3	#	3	C	S	c	s		"	Ł	ł	Ă	Ó	ă	ó		3	
4	\$	4	D	T	d	t	"	"	□	ˇ	Ä	Ô	ä	ô		4	
5	%	5	E	U	e	u	...	•	À	μ	Ĺ	Ó	í	ő		5	
6	&	6	F	V	f	v	†	-	|	¶	Ć	Ö	ć	ö		6	
7	'	7	G	W	g	w	‡	-	§	·	Ҫ	×	ç	÷		7	
8	(	8	H	X	h	x		"	,	,	Č	Ř	č	ř		8
9	)	9	I	Y	i	y	‰	™	®	¤	É	Ú	é	ú		9
A	*	:	J	Z	j	z	Š	š	Š	š	Ę	Ú	ę	ú		A	
B	+	;	K	[	k	{	‘	’	‘	’	Ę	Ü	ë	ü		B
C	,	<	L	\	l	|	Ś	ś	¬	Ł	Ę	Ü	ě	ü		C	
D	-	=	M	]	m	}	Ł	ł	-	~	Í	Ý	í	ý		D
E	.	>	N	^	n	~	Ž	ž	Ž	ž	Í	Í	í	í		E	
F	/	?	O	_	o	☒	Ž	ž	Ž	ž	Đ	Đ	đ	đ		F	

Windows 3.1 Latin 5

	00	10	20	30	40	50	60	70	80	90	A0	B0	C0	D0	E0	F0	
0				0	@	P	`	p	€			°	À	᠀	à	ݢ	0
1	!	1	A	Q	a	q		'	í	±	Á	Ń	á	ń		1	
2	"	2	B	R	b	r	,	'	c	²	Â	Ò	â	ò		2	
3	#	3	C	S	c	s	f	"	£	³	Ã	Ó	ă	ó		3	
4	\$	4	D	T	d	t	"	"	□	ˇ	Ä	Ô	ä	ô		4	
5	%	5	E	U	e	u	...	•	¥	μ	Å	Ô	å	õ		5	
6	&	6	F	V	f	v	†	-	|	¶	Æ	Ö	æ	ö		6	
7	'	7	G	W	g	w	‡	-	§	·	Ҫ	×	ç	÷		7	
8	(	8	H	X	h	x	^	-	-	,	È	Ø	è	ø		8
9	)	9	I	Y	i	y	‰	™	®	ı	É	Ù	é	ù		9
A	*	:	J	Z	j	z	Ś	ś	á	o	Ê	Ú	ê	ú		A	
B	+	;	K	[	k	{	‘	’	‘	’	Ę	Ü	ë	ü		B
C	,	<	L	\	l	|	Œ	œ	¬	¼	Ì	Ü	ì	ü		C	
D	-	=	M	]	m	}			-	½	Í	Í	í	í		D
E	.	>	N	^	n	~			®	¾	İ	Ş	î	ş		E	
F	/	?	O	_	o	☒	Ŷ	-	î	İ	Þ	İ	ÿ		F		

Windows Baltic

	00	10	20	30	40	50	60	70	80	90	A0	B0	C0	D0	E0	F0	
0				0	@	P	`	p	€			°	À	Š	à	š	0
1	!	1	A	Q	a	q		'			±	I	Ñ	i	ñ	1	
2	"	2	B	R	b	r	,	'	c	²	Ā	N	ā	ñ		2	
3	#	3	C	S	c	s	"	£	³	Ć	Ó	ć	ó			3	
4	\$	4	D	T	d	t	"	"	¤	'	Ä	Ö	ä	ö		4	
5	%	5	E	U	e	u	...	•		μ	Å	Ö	å	ö		5	
6	&	6	F	V	f	v	†	-	|	¶	E	Ö	e	ö		6	
7	'	7	G	W	g	w	‡	-	§	.	É	×	ē	÷		7	
8	(	8	H	X	h	x			Ø	ø	Č	U	č	u		8
9	)	9	I	Y	i	y	‰	™	®	¹	É	L	é	ł		9
A	*	:	J	Z	j	z			R	¶	Ž	Ś	ż	ś		A	
B	+	;	K	[	k	{	<	>	«	»	È	Ü	è	ü		B
C	,	<	L	\	l	|			¬	¼	G	Ü	g	ü		C	
D	-	=	M	]	m	}	"	-	-	½	K	Ž	k	ž		D
E	.	>	N	^	n	~	„	„	®	¾	Í	Ž	í	ž		E	
F	/	?	O	_	o	☒	„		Æ	æ	L	ß	ß	ß		F	

Wingdings

	00	10	20	30	40	50	60	70	80	90	A0	B0	C0	D0	E0	F0	
0				□	♪	♫	Ⅱ	□	①	⌚	·	#+#+	⌚	→	⇒	0	
1				☛	☚	☛	☚	☛	☚	⑥	○	⊕	⌚	↖	↑	↑	1
2				✖	☛	☚	✖	☛	☚	⑦	○	❖	⌚	↖	⬇	⬇	2
3				☛	☚	✖	●	●	●	⑧	●	❖	⌚	↖	↖	↖	3
4				☛	☚	✖	●	●	●	⑨	⌚	❖	⌚	↖	↖	↖	4
5				☛	☚	✖	●	●	●	⑩	⌚	❖	⌚	↖	↖	↖	5
6				☛	☚	✖	●	●	●	⑪	⌚	❖	⌚	↖	↖	↖	6
7				☛	☚	✖	●	●	●	⑫	⌚	❖	⌚	↖	↖	↖	7
8				☛	☚	✖	●	●	●	⑬	⌚	❖	⌚	↖	↖	↖	8
9				☛	☚	✖	●	●	●	⑭	⌚	❖	⌚	↖	↖	↖	9
A				☛	☚	✖	●	●	●	⑮	⌚	❖	⌚	↑	□		A
B				☛	☚	✖	●	●	●	⑯	⌚	❖	⌚	↖	✖		B
C				☛	☚	✖	●	●	●	⑰	⌚	❖	⌚	↖	✓		C
D				☛	☚	✖	●	●	●	⑱	⌚	❖	⌚	↖	✖		D
E				☛	☚	✖	●	●	●	⑲	⌚	❖	⌚	↖	✓		E
F				☛	☚	✖	●	●	●	⑳	⌚	❖	⌚	↖	田		F

Unicode

	00	10	20	30	40	50	60	70	80	90	A0	B0	C0	D0	E0	F0
0				0	@	P	`	p			°	À	Ð	à	ð	0
1		!	1	A	Q	a	q			í	±	Á	Ñ	á	ñ	1
2		"	2	B	R	b	r			c	²	Â	Ò	â	ò	2
3		#	3	C	S	c	s			£	³	Ã	Ó	ã	ó	3
4		\$	4	D	T	d	t			¤	‘	Ä	Ö	ä	ö	4
5		%	5	E	U	e	u			¥	µ	Å	Ö	å	ö	5
6		&	6	F	V	f	v			|	¶	Æ	Ö	æ	ö	6
7		'	7	G	W	g	w			§	·	Ç	×	ç	÷	7
8		(	8	H	X	h	x			“	,	È	Ø	è	ø	8
9		)	9	I	Y	i	y			®	¹	É	Ù	é	ù	9
A		*	:	J	Z	j	z			a	º	Ê	Ú	ê	ú	A
B		+	;	K	[	k	{			«	»	Ë	Û	ë	û	B
C		,	<	L	\	l	|			¬	¼	Ì	Ü	ì	ü	C
D		-	=	M	]	m	}			-	½	Í	Ý	í	ý	D
E		.	>	N	^	n	~			®	¾	Î	Þ	î	þ	E
F		/	?	O	_	o				-	¸	Ï	Þ	ï	ÿ	F

OCR-A

	00	10	20	30	40	50	60	70	80	90	A0	B0	C0	D0	E0	F0
0				Ø	ø	P	Þ	p								0
1		!	1	A	Q	a	q									1
2		"	2	B	R	b	r									2
3		#	3	C	S	c	s									3
4		¢	4	D	T	d	t									4
5		%	5	E	U	e	u									5
6		&	6	F	V	f	v									6
7		'	7	G	W	g	w									7
8		(	8	H	X	h	x									8
9		)	9	I	Y	i	y									9
A		*	:	J	Z	j	z									A
B		+	;	K	Œ	k	{									B
C		,	<	L	\	l	|									C
D		-	=	M	]	m	}									D
E		.	>	N	^	n	~									E
F		/	?	O	¥	o										F

OCR-B

	00	10	20	30	40	50	60	70	80	90	A0	B0	C0	D0	E0	F0	
0				0	ä	P	'	p								0	
1		!	1	A	Q	a	q									1	
2		"	2	B	R	b	r									2	
3		#	3	C	S	c	s									3	
4		\$	4	D	T	d	t									4	
5		%	5	E	U	e	u									5	
6		&	6	F	V	f	v									6	
7		'	7	G	W	g	w									7	
8		(	8	H	X	h	x									8
9		)	9	I	Y	i	y									9
A		*	:	J	Z	j	z									A	
B		+	;	K	[	k	{									B
C		,	<	L	\	l	|									C	
D		-	=	M	]	m	}									D
E		.	>	N	^	n	-									E	
F		/	?	O	_	o										F	

Dingbats

7

Appendix

	00	10	20	30	40	50	60	70	80	90	A0	B0	C0	D0	E0	F0	
0				⌚	✖	❖	★	❖	□	(⑤	①	⌚	➡	0
1				✈	☞	✖	*	✖	□)		▶	⑥	②	⌚	➡	1
2				✈	✖	+	*	✖	□	(⋮	⑦	③	⌚	➡	2
3				✈	✓	÷	*	*	▲	)	⋮	⑧	④	⌚	➡	3
4				☒	✓	÷	*	*	▼	(	♥	⑨	⑤	→	▶	4
5				☒	×	❖	*	*	◆	)	♦	⑩	⑥	→	▶	5
6				⌚	✖	♦	*	*	❖	◀	♦	⑪	⑥	→	▶	6	
7				⌚	✖	♦	*	*	♦	▶	⌚	②	⑦	↔	↔	7	
8				✈	✖	★	*	*	▶	◀	♣	③	⑨	↔	↔	8	
9				☒	+	☆	*	*	▀	)	♦	④	⑩	→	▶	9
A				⌚	+	✖	*	*	▀	(	♥	⑤	①	↗	➡	Ⓐ
B				☒	+	☆	*	*	▀	)	♠	⑥	②	→	➡	Ⓑ
C				☒	+	✖	*	*	●	▀	①	⌚	③	→	➡	Ⓒ	
D				☒	†	★	*	○	“	)	②	③	④	→	➡	Ⓓ
E				⌚	†	☆	❖	■	”		③	⑨	⑤	→	➡	Ⓔ	
F				⌚	†	☆	❖	❖	□		④	⑩	⑥	→	➡	Ⓕ	

ISO Latin 9

	00	10	20	30	40	50	60	70	80	90	A0	B0	C0	D0	E0	F0
0				0	@	P	`	p			°	À	Ð	à	ð	0
1		!	1	A	Q	a	q			í	±	Á	Ñ	á	ñ	1
2		"	2	B	R	b	r			c	²	Â	Ò	â	ò	2
3		#	3	C	S	c	s			£	³	Ã	Ó	ã	ó	3
4		\$	4	D	T	d	t			€	Ž	Ä	Ö	ä	ö	4
5		%	5	E	U	e	u			¥	μ	Å	Ö	å	ö	5
6		&	6	F	V	f	v			Š	¶	Æ	Ö	æ	ö	6
7		'	7	G	W	g	w			§	·	Ҫ	×	ç	÷	7
8		(	8	H	X	h	x			š	ž	È	Ø	è	ø	8
9		)	9	I	Y	i	y			®	¹	É	Ù	é	ù	9
A		*	:	J	Z	j	z			a	o	Ê	Ú	ê	ú	A
B		+	;	K	[	k	{			«	»	Ë	Ü	ë	ü	B
C		,	<	L	\	l	|			¬	Œ	Ì	Ü	ì	ü	C
D		-	=	M	]	m	}			-	œ	Í	Ý	í	ý	D
E		.	>	N	^	n	~			®	Ŷ	Î	Þ	î	þ	E
F		/	?	O	_	o	☒			-	ł	Ï	Þ	ï	ÿ	F

PC-8 Greek

	00	10	20	30	40	50	60	70	80	90	A0	B0	C0	D0	E0	F0	
0	►		0	@	P	`	p	A	P	τ	฿	₪	₭	₩	₪	0	
1	⌚	◀	!	1	A	Q	a	q	B	Σ	κ	☒	✚	á	±	1	
2	⌚	◊	"	2	B	R	b	r	Γ	Τ	λ	☒	⊜	έ	≥	2	
3	♥	!!	#	3	C	S	c	s	Δ	Υ	μ	|	⊣	ŀ	≤	3	
4	♦	¶	\$	4	D	T	d	t	E	Φ	v	⊣	—	ឫ	៥	4	
5	♣	§	%	5	E	U	e	u	Z	X	ξ	=	+	ƒ	᠁	5	
6	♠	-	&	6	F	V	f	v	H	Ψ	o	||	|=	π	៥	6	
7	•	⤒	'	7	G	W	g	w	Θ	Ω	π	π	⠇	⠇	ጀ	7	
8	▣	↑	(	8	H	X	h	x	I	α	ρ	≡	⠇	⠇	ጀ	8
9	○	⤓	)	9	I	Y	i	y	K	β	σ	≡	⠇	⠇	ጀ	9
A	▣	→	*	:	J	Z	j	z	Λ	γ	ς	||	⠇	⠇	ጀ	A	
B	♂	←	+	;	K	[k	{	M	δ	τ	⊜	⊜	█	ᴱ	√	B
C	♀	⤒	,	<	L	\	l	|	N	ε	υ	⠇	⠇	█	ᴴ	ጀ	C
D	♪	⤓	-	=	M]	m	}	Ξ	ζ	φ	⠇	=	█	ᵀ	ጀ	D
E	♪	▲	.	>	N	^	n	~	O	η	χ	⠇	⠇	█	‘O	ጀ	E
F	⊗	▼	/	?	O	_	o	△	Π	θ	ψ	⠇	⠇	█	‘Y	F	

PC-858

	00	10	20	30	40	50	60	70	80	90	A0	B0	C0	D0	E0	F0	
0		►		0	@	P	`	p	Ç	É	á	฿	₭	đ	Ó	-	0
1	⌚	◀	!	1	A	Q	a	q	ü	æ	í	☒	✚	฿	฿	±	1
2	⌚	❖	"	2	B	R	b	r	é	Æ	ó	☒	✚	€	Ӯ	-	2
3	♥	!!	#	3	C	S	c	s	â	ô	ú	|	✚	Ӭ	Ӯ	¾	3
4	♦	¶	\$	4	D	T	d	t	ä	ö	ñ	-	-	€	Ӯ	¶	4
5	♣	§	%	5	E	U	e	u	à	ò	Ñ	Á	+	€	Ӯ	§	5
6	♠	-	&	6	F	V	f	v	å	û	ª	Â	ã	Í	μ	÷	6
7	•	₩	'	7	G	W	g	w	ç	ù	º	À	À	Í	þ	,	7
8	▣	↑	(	8	H	X	h	x	ê	ÿ	î	©	Ⓛ	Ɨ	Ƿ	°	8
9	○	↓	)	9	I	Y	i	y	ë	Ö	®	☒	✚	ڸ	Ú	"	9
A	▣	→	*	:	J	Z	j	z	è	Ü	¬	||	⠇	Γ	Ù	.	A
B	♂	←	+	;	K	[	k	{	í	ø	½	☒	✚	■	Ӯ	1	B
C	♀	└	,	<	L	\	l	|	î	£	¼	⠇	⠇	■	ý	3	C
D	♪	↔	-	=	M	]	m	}	ì	Ø	í	¢	=	|=	Ý	2	D
E	♪	▲	.	>	N	^	n	~	Ã	×	«	¥	≠	Ɨ	-	■	E
F	⌚	▼	/	?	O	_	o	△	Â	f	»	¬	☒	■	‘		F
	00	10	20	30	40	50	60	70	80	90	A0	B0	C0	D0	E0	F0	

PC-860

	00	10	20	30	40	50	60	70	80	90	A0	B0	C0	D0	E0	F0	
0		►		0	@	P	`	p	Ç	É	á	฿	₭	đ	Ó	≡	0
1	⌚	◀	!	1	A	Q	a	q	ü	À	í	☒	✚	฿	฿	±	1
2	⌚	❖	"	2	B	R	b	r	é	È	ó	☒	✚	π	≥	2	
3	♥	!!	#	3	C	S	c	s	â	ô	ú		✚	π	≤	3	
4	♦	¶	\$	4	D	T	d	t	ä	ö	ñ	-	-	⠇	Σ	∫	4
5	♣	§	%	5	E	U	e	u	à	ò	Ñ	=	+	ƒ	σ	ʃ	5
6	♠	-	&	6	F	V	f	v	Á	Ú	ª		⠇	π	μ	÷	6
7	•	₩	'	7	G	W	g	w	ç	ù	º	π	π	+	τ	≈	7
8	▣	↑	(8	H	X	h	x	ê	Ì	î	≡	Ⓛ	≠	Φ	°	8
9	○	↓)	9	I	Y	i	y	Ê	Ö	Ò	☒	✚	ڸ	Θ	.	9
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Configuration Page Sample

PCL Configuration Page

Canon Configuration Page iR5075			
① Hardware Configuration			
Product Name	: IR5075	RAM Size	: 1024 MB
Serial Number	: 0000000000000000	ROM Size	: 2 MB (Built-in)
Date	: 11/11/2006 12:00	HDD	: 37.2 GB
LaserType	: D	Options	: Standard, Color, ADF, Paper Deck-AD1
Main Board Version	: 2		
Controller Version	: 2.12.10.154		
Controller Function ID	: XXXXXXXXXXXXXXXXXXXXXXXXX		
Function ID	: XXXXXXXXXXXXXXXXXXXXXXXXX		
Scanner Version	: 3.1.28		
Finisher Version	: 208.204.202.0.0		
		Doc. Insertion/Folding Unit	
② Common Settings			
Copies	: 1	Layout	: Long Edge
Auto Continue	: Off	Margin	: 0 mm
Job Sourcing Time	: 1 hour	Offset Short Edge (Front)	: 0 mm
Time Out	: 10 min	Offset Long Edge (Front)	: 0 mm
Print After Coupling RIP	: Off	Offset Short Edge (Back)	: 0 mm
Push	: Off	Offset Long Edge (Back)	: 0 mm
Push Invert	: Off		
Push Invert Type	: Off		
Use Cover Inserter	: Off		
Push Type	: Off		
Transparency Interleaving	: Off		
Push Up	: Off		
Transparency Interleaving	: Off		
Push Down	: Off		
Personality	: Auto		
Memory Priority	: None		
③ Paper Feed			
Default Paper Size	: A4	Print Set Numbering	: Off
Default Paper Type	: Main Paper	Print Position	: 5 Locations
Paper Size Override	: Off	Start Number	: 1
④ Print Quality			
Image Enhancement	: On	Number Size	: Large(36 point)
Density	: 2	Number Position Vertical	: 0 mm
Tone Save	: Off	Number Position Horizontal	: 0 mm
Line Reference	: Off		
Horizontal Line Refinement	: Off		
Vertical Line Refinement	: Off		
Resolution	: 600 dpi		
⑤ Layout			
Copies	: 1	Margin	: Long Edge
Layout	: Off	Offset Short Edge (Front)	: 0 mm
Margin	: 0 mm	Offset Long Edge (Front)	: 0 mm
Offset Short Edge (Front)	: 0 mm	Offset Short Edge (Back)	: 0 mm
Offset Long Edge (Front)	: 0 mm	Offset Long Edge (Back)	: 0 mm
Offset Short Edge (Back)	: 0 mm		
Offset Long Edge (Back)	: 0 mm		
⑥ Copy Set Numbering			
Print Set Numbering	: Off	Print Position	: 5 Locations
Print Position	: Off	Start Number	: 1
Start Number	: 1	Large(36 point)	
Number Size	: Large(36 point)	Number Position Vertical	: 0 mm
Number Position Vertical	: 0 mm	Number Position Horizontal	: 0 mm
Number Position Horizontal	: 0 mm		
⑦ PCL Settings			
PCL Version	: 0a.001.001	Halftones	: Resolu
PCL Version	: 2005/028-4.2	Text	: True
Color	: Off	Graphics	: Image
Font Selection	: Postscript		
Font Number	: 100		
Font Number	: 100		
Font Number	: 100		
Font Number	: 100		
Font Number	: 100		
Font Number	: 100		
Font Number	: 100		
Font Number	: 100		
Font Number	: 100		
Font Number	: 100		
Font Number	: 100		
Symbol Set	: PC8		
Character Set	: Off		
Append CX to LP	: No		
Endtag A4 to PW	: Off		
⑧ PS Settings			
PS Version	: iR5075	Halftones	: High Resolution
PS Version	: 2010.103	Text	: Creation
Job Timeout	: 10 s	Graphics	: Creation
Wait Timeout	: 300 s		
Print PS Errors	: Off		

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PS Configuration Page

Canon Configuration Page iR5075			
① Hardware Configuration			
Product Name	: IR5075	RAM Size	: 1024 MB
Serial Number	: 0000000000000000	ROM Size	: 2 MB (Built-in)
Date	: 11/11/2006 12:00	HDD	: 37.2 GB
LaserType	: D	Options	: Standard, Color, ADF, Paper Deck-AD1
Main Board Version	: 2		
Controller Version	: 2.12.10.154		
Controller Function ID	: XXXXXXXXXXXXXXXXXXXXXXXXX		
Function ID	: XXXXXXXXXXXXXXXXXXXXXXXXX		
Scanner Version	: 3.1.28		
Finisher Version	: 208.204.202.0.0		
		Doc. Insertion/Folding Unit	
② Common Settings			
Copies	: 1	Layout	: Long Edge
Auto Continue	: Off	Margin	: 0 mm
Job Sourcing Time	: 1 hour	Offset Short Edge (Front)	: 0 mm
Timeout	: 10 min	Offset Long Edge (Front)	: 0 mm
Print After Coupling RIP	: Off	Offset Short Edge (Back)	: 0 mm
Push	: Off	Offset Long Edge (Back)	: 0 mm
Push Invert	: Off		
Push Invert Type	: Off		
Use Cover Inserter	: Off		
Push Type	: Off		
Transparency Interleaving	: Off		
Push Up	: Off		
Transparency Interleaving	: Off		
Push Down	: Off		
Personality	: Auto		
Memory Priority	: None		
③ Paper Feed			
Default Paper Size	: A4	Print Set Numbering	: Off
Default Paper Type	: Main Paper	Print Position	: 5 Locations
Paper Size Override	: Off	Start Number	: 1
④ Print Quality			
Image Enhancement	: On	Number Size	: Large(36 point)
Density	: 2	Number Position Vertical	: 0 mm
Tone Save	: Off	Number Position Horizontal	: 0 mm
Line Reference	: Off		
Horizontal Line Refinement	: Off		
Vertical Line Refinement	: Off		
Resolution	: 600 dpi		
⑤ Layout			
Copies	: 1	Margin	: Long Edge
Layout	: Off	Offset Short Edge (Front)	: 0 mm
Margin	: 0 mm	Offset Long Edge (Front)	: 0 mm
Offset Short Edge (Front)	: 0 mm	Offset Short Edge (Back)	: 0 mm
Offset Long Edge (Front)	: 0 mm	Offset Long Edge (Back)	: 0 mm
Offset Short Edge (Back)	: 0 mm		
Offset Long Edge (Back)	: 0 mm		
⑥ Copy Set Numbering			
Print Set Numbering	: Off	Print Position	: 5 Locations
Print Position	: Off	Start Number	: 1
Start Number	: 1	Large(36 point)	
Number Size	: Large(36 point)	Number Position Vertical	: 0 mm
Number Position Vertical	: 0 mm	Number Position Horizontal	: 0 mm
Number Position Horizontal	: 0 mm		
⑦ PS Settings			
PS Version	: iR5075	Halftones	: High Resolution
PS Version	: 2010.103	Text	: Creation
Job Timeout	: 10 s	Graphics	: Creation
Wait Timeout	: 300 s		
Print PS Errors	: Off		

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PostScript is a trademark of Adobe Systems Incorporated.
PostScript® is mentioned in reference to as PS throughout this page and panel menu.

The Configuration Page includes the following information:

①	Hardware Configuration	This section displays the hardware configuration of the machine, including any options that have been installed.
②	Common Settings	This section displays the common printer settings of the machine, as determined by the Settings menu. (See "Settings Menu," on p. 3-9.)
③	Paper Feed	This section displays the paper feed settings for the printer function of the machine, as determined by the Paper Feed section of the Settings menu. (See "Paper Feed," on p. 3-10.)
④	Print Quality	This section displays the print quality settings for the printer function of the machine, as determined by the Print Quality section of the Settings menu. (See "Print Quality," on p. 3-12.)
⑤	Layout	This section displays the layout settings for the printer function of the machine, as determined by the Layout section of the Settings menu. (See "Layout," on p. 3-16.)
⑥	Copy Set Numbering	This section displays the copy set numbering settings for the printer function of the machine, as determined by the Copy Set Numbering section of the Settings menu. (See "Copy Set Numbering," on p. 3-39.)
⑦	PCL Settings	This section displays the PCL settings for the printer function of the machine, as determined by the PCL section of the Settings menu. (See "PCL Settings," on p. 3-46.)
⑧	PS Settings	This section displays the PS settings for the printer function of the machine, as determined by the PS section of the Settings menu. (See "PS Settings," on p. 3-52.)

Specifications

Specifications are subject to change without notice for product improvement or future release.

Software Specifications

Command Language	PCL5e, PCL6, PostScript 3 emulation, and UFR II
Resident Fonts	PCL: 80 Scalable fonts, 2 OCR fonts, and 10 Bitmap fonts PS: 136 Scalable fonts
Printable Area	PCL5e, PCL6: Reduced to 1/6" (4.23 mm) from the top, bottom, left, and right edges of the paper. PostScript 3 emulation: Reduced to 1/6" (4 mm) from the top, bottom, left, and right edges of the paper. UFR II: Reduced to 1/5" (5 mm) from the top, bottom, left, and right edges of the paper.



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**CANON INC.**

30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo 146-8501, Japan

CANON U.S.A., INC.

One Canon Plaza, Lake Success, NY 11042, U.S.A.

CANON CANADA INC.

6390 Dixie Road Mississauga, Ontario L5T 1P7, Canada

CANON EUROPA N.V.

Bovenkerkerweg 59-61 1185 XB Amstelveen, The Netherlands
(See <http://www.canon-europe.com/> for details on your regional dealer)

CANON LATIN AMERICA, INC.

703 Waterford Way Suite 400 Miami, Florida 33126 U.S.A.

CANON AUSTRALIA PTY. LTD

1 Thomas Holt Drive, North Ryde, Sydney, N.S.W. 2113, Australia

CANON CHINA CO.,LTD

15F Jinbao Building No.89 Jinbao Street, Dongcheng District, Beijing 100005, China

CANON SINGAPORE PTE. LTD.

1 HarbourFront Avenue #04-01 Keppel Bay Tower, Singapore 098632

CANON HONGKONG CO., LTD

19/F., The Metropolis Tower, 10 Metropolis Drive, Hunghom, Kowloon, Hong Kong